

200 MINERAL LOCATIONS  
IN  
SOUTHERN ONTARIO  
(REVISED 1973)

Harley Leach

This book is dedicated to

The Lapidary Rock and Mineral Societies of North America, and to those enthusiasts who introduced me to Lapidary, taught me their skills, and encouraged me to explore the many paths in the wonderful world of Earth Science.

Acknowledgements to

The Lapidaries and Mineral Collectors of Ontario who so generously guided or directed me to many of the fossil and mineral occurrences listed in this book.

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## INTRODUCTION

Methods & ethics of collecting.....	3
Aids to the collector.....	3
Field Safety.....	4
The elements of survival.....	5

## CONTENTS

CHAPTER	PAGE
1 Hwy 62 Madoc to Combermere.....	6
2 Hwy 121 Bancroft to Lindsay.....	22
3 Hwy 648 Wilberforce to Highland Grove.....	27
4 Hwy 500 Bancroft to Denbigh.....	30
5 Hwy 28 Lakefield to Bancroft.....	35
6 Hwy 41 Kaladar to Eganville.....	39
7 Hwy 38 Kingston to Sharbot Lake.....	40
8 Sydenham Lake Area.....	53
9 Hwy 15 Kingston to Perth.....	55
10 Hwy 32 Seeleys Bay to Gananoque.....	64
11 Brockville Area.....	68
12 Hwy 401 Trenton to Kingston.....	69
Ordovician/Precambrian Drawings.....	75
13 Q.E.W. Niagara Escarpment.....	79
14 Hwy 7 Arkona to Thedford.....	83
Index of FOSSILS by location.....	84
Time Chart.....	85
Index of MINERALS by location.....	87
Index of LOCATIONS.....	89

### Explanation regarding "POSTED" properties

Generally speaking, the owner of a POSTED property will not permit collecting, but POSTED properties have been included in this book because: (a) the owner may change his mind; or (b) the property may change hands.

METHODS AND ETHICS OF COLLECTING

1. Collectors have responsibilities to the property owner as well as to other collectors.
  - a) Always obtain permission to collect.
  - b) Leave all gates as you find them.
  - c) Don't damage the property.
  - d) Bury or remove your garbage.
  - e) Don't use explosives or carry firearms without permission, or if other people are in the area.
2. In some countries prospecting or collecting within 50 feet of a highway is forbidden.
  - a) Don't cause debris to roll on any highway.
  - b) Don't block ditches or culverts.
  - c) Don't interfere with traffic.
3. Always consider other collectors; remember, greed and thoughtlessness will result in disrepute for the whole fraternity.
  - a) Don't truck materials from any location.
  - b) Use the lightest and least destructive tool required to do the job satisfactorily.
  - c) If a fine specimen is too large for you, leave it for the next collector or give it to a Museum or University.

AIDS TO THE COLLECTOR

A code will be used which will designate the quality of all specimens listed in this book.

Good-excellent	Full caps	APATITE
Fair-oddities	Initial caps	Apatite
Trace-poor	No caps	apatite
Fluorescent	(FL) follows	SCAPOLITE (FL)
Massive	(M) precedes	(M) apatite
Micromounts	(Micro) precedes	(Micro) PYRITE
Radioactive	(RA) follows	BETAFITE (RA)

MILEAGE

All driven distances in this book are given to the nearest 0.1 mile.

A point to remember is if your car is equipped with either snow tires or oversize tires, your speedometer will register under the mileage. If the tires are worn, you will register a greater mileage.

### CUTTING MATERIALS

The following is a condensed list of gemmy materials to be found in the area covered by this book.

Cat's-eye Actinolite (rare)  
Faceting Apatite (small sections)  
Faceting Aquamarine (very small sections)  
Black Star Sapphire  
Amazonite, Labradorite, Peristerite, Sunstone  
Faceting Fluorite (small sections)  
Graphic Granite, Marble, Mylonite, Quartz  
Faceting & Star Quartz (small sections)  
Cat's-eye Scapolite (rare)  
Faceting & Cat's-eye Tremolite (rare)  
Talc, Williamsite, Wilsonite  
Cat's-eye Wollastonite (rare)

### FIELD SAFETY

Rules of safety are based upon common sense, courtesy and knowledge of how to look after and use your tools properly.

1. Use your tools in the manner for which they were designed.
2. Wear safety glasses in any area where hammers are being used.
3. Wear a hard hat in all quarries or similar areas.
4. Wear ankle-tied safety boots to prevent sprained ankles or crushed toes.
5. Carry work gloves to prevent cuts.
6. Get help to move heavy rock; crushed toes or fingers or even more serious injuries can be avoided.
7. Never throw rocks.
8. Take care not to roll materials on people working below you.

9. Stay out of mine shafts and old buildings.
10. Children should stay with their parents.
11. Always stay with your group.
12. Notify your guide if you're leaving early.
13. Notify your guide if you have a disability.
14. A comprehensive First Aid Kit should be carried on all group field trips.

### THE ELEMENTS OF SURVIVAL

Before venturing into the BUSH, familiarize yourself with the country you are to travel through. This can be done by studying a map of the area; remember, all official maps are oriented so that the top of the map is NORTH. Pay particular attention to the direction, distance and estimated time required to reach your destination, as well as the position of the nearest road from any point along the way, should you become lost.

**EQUIPMENT:** Compass, map, whistle, matches, knife, and water bottle.

TOPOGRAPHICAL sheets are available in Canada from the Map Distribution Office, Department of Mines & Technical Surveys, 615 Booth Street, Ottawa, Ontario. (Sheets cost 50¢ each.)

CLAIM maps are available in Ontario from the Department of Mines, Queen's Park, Toronto, Ontario. (Maps cost 50¢ each.)

### IF YOU BECOME LOST

Don't panic. Stand still and listen for sound of your party and/or cars on the highway; try high ground where smoke from chimneys may be seen.

IF THE ABOVE PRODUCES NOTHING: Find North. If you don't have a compass, use your watch. (1) Set the watch on Standard Time; (2) hold the watch level, with the hour hand pointing to the sun; (3) halfway between the hour hand & the numeral 12 is due South (N hemisphere); at 12 noon both hands point due South. (4) Orient your map; (5) proceed to the nearest highway.

#### FOR THE CAR

Spare tire and car jack, wheel block, extra oil, spare (oversize) oil pan plug and wrench, rope, electric lantern, water (desert areas).

### CHAPTER 1

#### (1) BAILEY FLUORITE MINE # 1

From Madoc at the junction of (old) Hwy 7 & Durham St travel S on Durham St for 0.4m & turn R on Seymour St; drive 1.3m to the mine on the R.

#### TOOLS

Garden claw, fluorescent lamp.

#### MINERALS

(micro) BARITE. celestite. Fluorite (FL).

#### (2) BAILEY FLUORITE MINE # 2

Walk approx 50 yds back along Seymour St & cross the fence on the far side of the rd; the dump is in the field approx 100 yds from the rd.

OBTAI~~N~~ PERMISSION at the house to the L of the dump.

TOOLS

Prospectors pick, rock chisel.

MINERALS

BARITE. FLUORITE.

(3)

HERRINGTON FLUORITE MINE

From Madoc at the junction of (old) Hwy 7 & Durham St travel S on Hwy 62 for 2.0m & turn sharp L; drive approx 100 yds to the mine on the L.

TOOLS

Prospectors pick, garden claw.

MINERALS

Barite. calcite. (micro) CHALCOPYRITE. Celestite. FLUORITE. (micro) PYRITE.

(4)

MADOC FLUORITE MINE

From Madoc at the junction of (old) Hwy 7 & Durham St travel S on Durham St for 0.4m & turn R on Seymour St; drive 4.1m & turn R; drive 0.6m to the mine on the R.

TOOLS

Prospectors pick, garden claw.

MINERALS

Barite. celestite. Fluorite.

(5)

CANADIAN TALC CO. MINE

From Madoc at the junction of (old) Hwy 7 & Durham St, travel E on (old) Hwy 7 for 0.7m & turn R; drive 0.5m & turn L; drive 0.25m & turn R; drive 50 ft. to the bins.

OBTAİN PERMISSION at the office.

Check the rd fill along the main access rd to the mine.

TOOLS

Prospectors pick, rock chisel, garden claw.

MINERALS

arsenopyrite. chalcopyrite. diopside. Pyrite Schist. PYRITE. Serpentine. TALC. tremolite. Dravite Tourmaline.

(6)

PINCHIN MARBLE QUARRY

From Marmora drive E on Hwy 7 to the Deloro Rd. Turn L & drive N to the village of Malone; turn R at the store & drive 0.2m to the quarry gate, & park.

OBTAİN PERMISSION at the last house before the gate.

TOOLS

Sledge & mason's hammers, rock chisel.

MINERALS

Bornite. calcite. chalcopyrite. EPIDOTE. MARBLE. Pyrite. VESUVIANITE.

(7)

MARMORATON MAGNETITE MINE

From Marmora travel E on Hwy 7 for approx 2.0m & turn R on the mine rd.

OBTAİN PERMISSION by mail or phone from the mine.

MINERALS

Actinolite. CALCITE. Chalcopyrite. EPIDOTE. galena. GARNET. hematite. Pyrite. limonite. (M) Magnetite. Marcasite. Serpentine. Serpentine-Asbestos. tremolite.

(8)

JONES MARBLE QUARRY # 1

From Madoc at the junction of (old) Hwy 7 & Durham St, drive S on Durham St for 0.4m & turn R on Seymour St; drive 1.3m & keep R; drive 3.05m to the quarry on the R.

TOOLS

Mason's hammer.

MINERALS

GREEN MARBLE.

(9)

JONES MARBLE QUARRY # 2

From Madoc at the junction of (old) Hwy 7 & Hwy 62 travel N on Hwy 62 for 0.55m & turn L into the farm; drive 0.2m & turn L; drive 0.5m to the quarry on the R.

TOOLS

Mason's hammer

MINERALS

BLACK MARBLE. pyrite

(10)

JONES MARBLE QUARRY # 3

From Madoc at the junction of (old) Hwy 7 & Hwy 62 travel N on Hwy 62 for 2.7m & turn L; drive 0.7m & turn L; travel 1.05m & turn R; drive 0.3m to the quarry on the R.

TOOLS

Mason's hammer

MINERALS

BROWN (banded) MARBLE.

(11)

JONES MARBLE QUARRY # 4

From Madoc at the junction of (old) Hwy 7 & Hwy 62 travel N on Hwy 62 for 6.45m & turn R; drive 0.6m & turn R on a farm rd; drive 0.5m to the quarry.

TOOLS

Mason's hammer.

MINERALS

PINK MARBLE.

(12)

JONES MARBLE QUARRY # 5

From Madoc at the junction of (old) Hwy 7 & Hwy 62 travel N on Hwy 62 for 5.7m & turn R; drive 1.35m & turn R; drive 1.9m & turn R; drive 0.1m to the quarry on the L.

TOOLS

Mason's hammer.

MINERALS

BUFF MARBLE.

(13)

JONES MARBLE QUARRY # 6

From Madoc at the junction of (old) Hwy 7 & Durham St, drive E on (old) Hwy 7 for 9.7m & turn R; drive 0.05m into the quarry.

TOOLS

Mason's hammer.

MINERALS

WHITE MARBLE. Tourmaline.

(14)

HIGHWAY 62 SLATE QUARRY

From Madoc at the junction of (old) Hwy 7 & Hwy 62 travel N on Hwy 62 for 1.75m & turn R just before the Slocklosar Marble Mill; drive approx 150 yds to a turn-around on the R; the quarry is just across the fence.

TOOLS

Prospectors pick.

MINERALS

(cross-bedded) CHLORITOID SLATE

(15)

STOCKLOSAR MARBLE QUARRY # 1

From Madoc at the junction of (old) Hwy 7 & Hwy 62 travel N on Hwy 62 for 4.0m & turn R; drive approx 0.5m to the quarry gate on the R.

NOTE: the quarry is behind the town dump.

TOOLS

Mason's hammer, rock chisel.

MINERALS

Actinolite. calcite. Diopside. GREEN MARBLE. PYRITE. quartzite.  
WILLIAMSITE.

(16)

STOCKLOSAR MARBLE QUARRY # 2

From Madoc at the junction of (old) Hwy 7 & Hwy 62 travel N on Hwy 62 for 7.4m to the quarry on the L.

MINERALS

BUFF MARBLE. pyrite.

(17)

WALLBRIDGE IRON MINE

From Madoc travel N on Hwy 62 for 4.0m to Hematite Rd on your L; the pit is immediately SW of the intersection.

TOOLS

Shovel, mason's hammer.

MINERALS

GOETHITE. HEMATITE. SIDERITE. STILPNOOMELANE.

(18)

REYNOLDS FARM PROSPECT

Travel N from Bancroft on Hwy 62; turn R on the first rd past the Riverbend Motel; keep R to the Eldon Reynolds Farm on the L before the lake.

TOOLS

Garden claw.

MINERALS

Mica (on hill behind house & barn).

(19)

BANCROFT ROAD CUT

From the Bancroft Hotel drive N on Hwy 62 for 2.5m.

TOOLS

Mason's hammer, rock chisel, gadpry.

MINERALS

Druzy Amethyst. Apatite. AUGITE. Calcite. Diopside. Hornblende. ORTHOCLASE. Scapolite.

(20)

McFALLS LAKE

From the Bancroft Hotel travel N on Hwy 62 to Bird's Creek & turn L on the Baptiste Lake Rd; at the first rd turn R, cross the bridge & pass two farm houses (on the R); the rd swings R at the wire fence & ends in a defile.

CAUTION: in wet weather the defile is slick.

Walk down the trail to the lake & along the N end to the talus, (approx 1.15m from Baptiste Lake Rd).

TOOLS

Prospectors pick, shovel, garden claw.

MINERALS

DIOPSIDE. Hornblende.

(21)

HIGHWAY 62 SUNSTONE PIT

From the Bancroft Hotel travel N on Hwy 62 for 9.85m to an obscure rd on the L. Bisect the angle (L) between the dirt rd & Hwy 62 passing through a thin strip of aspens to the pit.

POSTED: the owner has been known to allow collecting.

TOOLS

Mason's hammer, rock chisel.

MINERALS

SUNSTONE (small)

(22)

McCORMACK FELDSPAR MINE

From the Bancroft Hotel travel N on Hwy 62 for 6.85m & turn R on the Hybla Rd; drive 0.2m & turn L; drive 1.5m & fork R; drive 0.1m & park by the RR track.

Walk down the tracks to the R 604 paces to the (obscure) trail through the fence to the R; walk 90 paces up the trail to the mine.

POSTEDTOOLS

Prospectors pick

MINERALS

Amazonite. GRAPHIC GRANITE. White Peristerite. Smoky Quartz.

(23)

PLUNKET FARM

From the Bancroft Hotel travel N on Hwy 62 for 6.85m & turn R on the Hybla Rd; drive 0.2m & fork L; drive 1.5m & fork L; drive 1.75m & turn R; drive 0.7m & turn L; drive 0.3m to the farm.

NO HUNTING: specimens may be bought at the farm.

MINERALS

Amazonite. PERISTERITE. Zircon.

(24)

McDONALD MINE

From the Bancroft Hotel travel N on Hwy 62 for 6.85m & turn R on the Hybla Rd; drive 0.2m & fork L; drive 1.5m & fork L; drive 1.75m & turn R; drive 0.7m & turn L; drive 0.55m to the mine gate on the L, & park.

Walk approx 200 yds to the adit; most specimens are found on the high ground.

TOOLS

Prospectors pick, Geiger Counter.

MINERALS

Allanite (RA). (M) pink calcite. CYRTOLITE (RA). ELLSWORTHITE (RA). EUXENITE (RA). garnet. magnetite. Peristerite. pyrite. sphene. quartz.

(25)

NATIONAL GRAPHITE MINE

From the Bancroft Hotel travel N on Hwy 62 for 11.2m & turn R on the Graphite Rd; drive 2.0m & keep R; drive 0.65m & turn L; drive 0.4m to the farm house.

COLLECTING FEE: \$1.00 per person.

NOTE: Long Wave in the pit by the gate.  
Short Wave in the main dumps.

DANGER

The pits are unfenced.

TOOLS

Mason's hammer, fluorescent lamp, flashlight.

MINERALS

apatite. calcite. SCAPOLITE (FL). SCHEELITE (FL). diopside. epidote. Graphite. molybdenite. pyrrhotite. sphene. tremolite.

(26)

KLONDIKE MINE

From New Carlow follow Hwy 517 E; drive 2.8m & bear L at the fork; drive 4.6m & park. Climb the hill to the mine. The open mine cuts & adjacent dumps are the best places for collecting.

TOOLS

Mason's hammer, rock chisel, garden claw.

MINERALS

Anhydrite. CORUNDUM. Magnetite Xls. Molybdenite. (M) scapolite. Scapolite Xls.

(27)

BURGESS MINE

Leave Maynooth<sup>v</sup> from the intersection of Hwy 127 & Hwy 62; drive N on Hwy 62 for 7.7m & turn R onto Boulter Rd; drive 0.05m & fork R onto a dirt rd; drive to the village of Carlow & turn L at the General Store; drive 2.4m & turn L onto the Mine rd; drive approx 0.75m to the Mine buildings on your L, & park.

TOOLS

Sledge & mason's hammers, rock point, garden cultivator, folding shovel.

MINERALS

CORUNDUM XLS. (blue, grey, red). (M) magnetite. (M) pyrite. Scapolite. Wilsonite.

(28)

CRAIGMONT MINE

Enter Combermere from the N on Hwy 62 & drive 0.4m from the intersection of Hwy 515, crossing the Madawaska River & turning L (for Hwy 517); drive 1.0m & turn R onto Hwy 517; drive 4.25m & turn L onto a dirt rd; keep bearing L for 1.65m & park by the old mine building foundations. Walk to the L keeping the long building foundation on your L; continue in this direction approx 100 yds & then bear R up a gentle slope to the first terrace of the hill; follow this terrace to the L to the dumps & working area.

## TOOLS

Mason's hammer, rock chisel.

Anhydrite. CORUNDUM. Diopside. Magnetite. molybdenite. pyrite. Scapolite Xls.

(29)

## REID LAKE CORUNDUM ZONE

Leave the intersection of Hwy 62 and Hwy 517 on Hwy 62; drive through the village of Combermere and cross the bridge; drive 0.3m and turn R onto the rd to Rockingham and Brudenell; drive 8.2m to Rockingham; turn R on a gravel rd and drive 1.25m to the S end of Reid Lake. The outcrop starts at Reid Lake and crosses the rd, continuing S for 1000 ft.

## TOOLS

Mason's hammer, rock chisel.

## MINERALS

CORUNDUM. syenite.

(30)

## CASEY HILL TEST PITS

Leave Rockingham & drive E for 2.0m; turn R on a gravel rd (toward Letterkenny & Quadeville); drive 6.3m & turn L on a wagon rd near the top of Casey's Hill. The best collecting is in the central pit.

## POSTED

## TOOLS

Folding shovel, garden claw, prospectors pick, rock chisel.

## MINERALS

Allanite, Sphene. ZIRCON.

(31)

SILLIMANITE-GARNET OUTCROP

From the beginning of Hwy 515 just outside Quadeville, drive along the Hwy for 1.5m to the W end of Eneas Lake; continue W 1.5m & turn R on Rosenthal Rd; drive 1.5m past a small lake to the L; immediately past the bridge turn onto a wagon rd. The outcrop is to the R of the wagon rd & extends S 200 ft to the stream.

TOOLS

Folding shovel, garden claw, mason's hammer, rock chisel.

MINERALS

amphibolite. Garnet. Sillimanite.

(32)

JAMIESON MOUNTAIN MOLYBDENITE PITS

Drive E from Quadeville 3.2m on the Foymount Rd & turn R onto a gravel rd (leading to Griffith); drive 5.0m to Jamieson Mountain. There is a pit near the top of the mountain. Drive 0.5m further for another pit on the R side of the rd; proceed to the first intersection on the R & turn in for 0.7m. Pits are located to the R of the rd & 150 yds up the hill.

TOOLS

Folding shovel, mason's hammer.

MINERALS

MOLYBDENITE.

(33)

WAL-GEM MINES & MINERALS

(Canadian Beryllium West Quarry)

Leave Combermere on Hwy 62 N & turn R onto Hwy 515; drive 13.5m & turn L onto a dirt rd (1.8m from the end of Hwy 515); drive 1.15m, passing through a beaver pond (check the depth of the water on the rd), & park by the first dump.

OBTAI~~N~~ PERMISSION - there is a fee for collecting.

HAZARDS

QUARTZ WILL BREAK INTO RAZOR-SHARP FRAGMENTS, so wear GLOVES AND GOGGLES.

TOOLS

Sledge & mason's hammers, crow or wrecking bar, rock wedge, chisel, gloves, goggles.

MINERALS

Beryl Xls (central & Eastern pits). Columbite. Feldspar. var: Plagioclase. (M) Peristerite. ROSE QUARTZ. tantalite.

(34)

WAL-GEM MINES & MINERALS  
(Canadian Beryllium East Quarry)

Leave Combermere on Hwy 62 N & turn R onto Hwy 515; drive to the end of Hwy 515 (15.3m) & turn L onto a dirt rd; drive 1.05m & turn R onto the mine rd. Drive 0.3m & park at the dump.

OBTAI~~N~~ PERMISSION - There is a fee for collecting.

TOOLS

Shovel, garden claw, rock hammer.

MINERALS

BERYL Xls. EUXENITE (RA). Feldspar Xls. var: Cleavelandite. Feldspar. var: Microcline (M) AMAZONITE. feldspar. var: Plagioclase (M) Peristerite. Red (blebby) fluorite (FL) in pegmatite. garnet (shattered Xls). quartz (blebs). Black Tourmaline (sections). Zircons.

(35)

RUBY MINE

From the beginning of Hwy 515 just outside of Quaderville, drive along the Hwy for approx 5.0m & bear L at the fork; cross the bridge at the Madawaska River; turn R at the first intersection & drive 4.5m

to Schutt P.O.; go straight through the village & continue for 7.1m (past Hardwood Lake); enter the wagon rd on the R, 0.3m before reaching Ruby P.O., & drive 0.6m to the mine.

#### MINERALS

Garnet.

(36) WOLFE P.O. SILLIMANITE LOCATION.

Drive E from Quadeville 3.5m on the Foymount Rd; the location is behind & to the L of the P.O.

#### TOOLS

Mason's hammer, folding shovel, garden claw.

#### MINERALS

Sillimanite.

(37) TURNER'S ISLAND

Leave Foymount & turn L on Lake Clear Rd; drive 3.25m NE to the rd leading to Goulet's Cabins on Lake Clear. Rent a boat & outboard motor (usual charge \$5.00 for boat, motor, & gas); head SE in the lake to the largest island to the L of the boat landing (Turner's Island); land at the NW end of the island. Pits are immediately above the landing point & extending E. There is also a collecting area along the shoreline to the W of the main pit.

#### TOOLS

Folding shovel, garden claw, mason's hammer, rock chisel.

#### MINERALS

APATITE. (M) Calcite. Hornblende. Scapolite. ZIRCON.

(38)

MEANY MINE

Leave Foymount & turn L on Lake Clear Rd; drive 5.5m NE toward Eganville; at the first dirt rd past a small bridge turn R & drive 1.0m to the corners; turn R & drive 1.7m to Meany Mine. The best collecting is on the dump behind the pit.

TOOLS

Garden claw, prospectors pick.

MINERALS

Apatite. Calcite. pyroxene.

(39)

SMART MINE

Leave Foymount & turn L on Lake Clear Rd; drive 5.5m NE toward Eganville; at the first dirt rd past a small bridge turn R & drive 1.0m to the corners; turn R & drive 2.4m to Smart Mine.

TOOLS

Folding shovel, garden claw, prospectors pick.

MINERALS

APATITE. Amazonite. Galena. Limestone. Coxcomb Marcasite. Pyroxene. SPHENE. ZIRCON.

(40)

KUEHL LAKE ZIRCON DEPOSIT

From Rockingham drive 5.2m E to Brudenell P.O. & turn R; drive 4.2m to Foymount & turn R; drive 2.5m & turn L on a dirt rd heading toward farm dwellings & a lake; go past the dwellings to a clearing & park.

Walk toward the N end of the lake, crossing a stone fence; when you reach the lake's edge you will see a beaver dam across the lake; a swamp extends behind the dam for a radius of about 200 yds; cross the dam (it will support 200 lbs easily), or wade across (water at the base of the dam is 4 to 5 inches deep); the pit is at the far end of the dam. Also investigate the rock outcrop to the E of pit.

POSTED

TOOLS

Folding shovel, garden claw, mason's hammer, rock chisel.

MINERALS

Sphene. ZIRCON.

CHAPTER 2

(41)

BICROFT MINE

From the Bancroft Hotel travel S on Hwy 28 for 7.8m; turn R onto Hwy 121 & drive 2.5m to the Bicroft Mine Rd; turn L & drive 0.9m to the mine gates; the dumps are on your L; other dumps are beyond the bldgs.

TOOLS

Mason's hammer, rock chisel. Geiger counter.

MINERALS

epidote. fluorite. garnet. Hornblende. Labradorite. mica. Molybdenite. Peristerite. (M) Allanite (RA).

(42)

KEMP PROSPECT

Leave the intersection of Hwy 648 & Hwy 121; drive (past Cheddar) 2.9m & turn L onto the Mine Rd; drive 0.15m & turn R (only very high cars can pass this point); drive 1.25m & park at the top of the hill. Walk down the rd for approx 150 yds & bear L to enter the pit area.

OR

Leave the Bancroft Hotel on Hwy 28 S; turn R onto Hwy 121; drive 11.2m & turn R onto the Mine rd.

TOOLS

Folding shovel, garden claw, wrecking bar, prospectors pick, rock chisel.

MINERALS

Hornblende. Orthoclase. Quartz. THORITE.

(43)

SARANAC ZIRCON MINE

Leave the Bancroft Hotel on Hwy 28 S; drive 7.8m & turn R onto Hwy 121; drive 13.6m & turn L onto Hwy 648; drive 0.85m & turn L onto the township dump rd; drive 0.05m passing through the dump & turn R; drive 0.4m to the mine cut.

TOOLS

Mason's hammer, prospectors pick, rock chisel.

MINERALS

orthoclase. smokey quartz blebs. Scapolite. Sphene. Thorite. Zircon.

(44)

RARE EARTH URANIUM MINE

From the stop sign on Hwy 121 continue on to Tory Hill for 1.85m; turn L onto the old Hadlington Rd (unmarked); drive approx 0.6m & fork L; drive 1.2m & turn R & drive to the mine dumps on your R; the adit is on the L.

TOOLS

Shovel, garden claw, prospectors pick, Geiger counter.

MINERALS

ALLANITE (RA). diopside. Hornblende. pyrite. Uranothorite (RA).

(45)

MILLER APATITE MINE

On the outskirts of Tory Hill, heading towards Haliburton on Hwy 121, turn L onto Gibson Rd; drive 0.8m & park on the R; climb the hill to the L to the pits.

TOOLS

Shovel, mason's hammer, rock chisel.

MINERALS

Hornblende. mica. SPHENE.

(46)

SECOND LOCATION

Continue along Gibson Rd to the first parking spot on your L (approx 0.3m); walk down the hill to the pits (through the dense bush). The adit is to the L at the foot of the hill.

TOOLS

Shovel, garden claw, prospectors pick.

MINERALS

APATITE. calcite. Feldspar. Hornblende. mica. SPHENE.

CAUTION: GIBSON ROAD IS IMPASSABLE FOR MOST CARS.

(47)

DAVE WOODCOX FARM

Leave the village of Tory Hill on Hwy 121 & drive 1.0m to the top of the hill; you will see some small bldgs on your L; there is a steel gate on your R; park at this gate.

Walk through the R-hand field until you come to a trail leading to a wood lot; halfway down the wood lot enter the bush & follow painted marks on the trees to the outcrop. (Enter the bush on your R.) There is a 50¢ admission charge.

TOOLS

Mason's hammer, prospectors pick, rock chisel, wrecking bar, garden claw.

MINERALS

Apatite. HORNBLENDE. ORTHOCLASE. Sphene. Tremolite. Zircon.

(48)

LOOKOUT PROSPECT

From Tory Hill on Hwy 121, drive 13.5m towards Haliburton to a service station & store on your R, & park.

OBTAI~~N~~ PERMISSION at the garage or house.

The trail starts behind the house; the pit is just over the edge of the hill on the L approx 100 yds before the Hydro lines.

TOOLS

Sledge hammer, rock point & chisel, Geiger counter.

MINERALS

SCAPOLITE. (RA) evident.

(49)

BOLENDER QUARRY

From Haliburton travel N on Hwy 519 to the bridge in Eagle Lake; cross the bridge & leave Hwy 519; go straight ahead approx 0.1m to the quarry rd on your R.

OBTAI~~N~~ PERMISSION at the office.

TOOLS

Mason's hammer, rock chisel, Hard Hat, safety glasses.

MINERALS

actinolite. Blue (M) DOLOMITE. Pyrite. quartz. Scapolite. serpentine.

(50)

(SECOND OCCURRENCE)

From the bridge in Eagle Lake, turn R & continue N on Hwy 519; check the rd cuts for the next 0.5m.

MINERALS

In addition to the above, ORTHOCLASE.

(51)

BOB'S LAKE WILSONITE

Cross the Main St bridge in Minden & turn L onto Orde St; drive 2.2m & keep L; drive 2.7m & stop at the culvert (the culvert is on a curve just before the junction with another rd on the R).

MINERALS

Serpentine. WILSONITE.

(52)

MINDEN

Drive S to Burnt River to Crystal Lake Rd on the L; follow the dirt rd approx 9.0m; park just before the bridge. Keep the creek on your L & walk about 100 yds.

MINERALS

Lavakite (check for RA). Rose Quartz on top of hill.

CHAPTER 3

(53)

CARDIFF FLUORITE MINE

From Hwy 121 turn N on Hwy 648; drive 2.0m & turn R; drive 0.25m & fork L; continue for 0.75m & turn R; drive 0.25m to the mine. To the L of the dump is a trail leading up to the Uraninite diggings. The dump contains many different specimens. Follow the rd past the dump to the other side of the hill to reach the sphene diggings.

TOOLS

Hammers, chisels, Geiger counter, shovel.

MINERALS

Apatite, Diopside, CHONDRODITE (FL). fluorite in calcite. SPHENE. URANINITE (RA).

(54)

CLARK (FARM) MINE

From Wilberforce travel S on Hwy 648 for 1.0m (towards Tory Hill); at the S end of the field on your L (just past a service station on the R) you will find the gate to the mine rd. The adit is 200 yds down this rd.

OBTAI~~N~~ PERMISSION at the house to cross their land. Collecting fee: 50¢ per person. Also inquire at the house about obtainable minerals.

(55)

WHITE ELEPHANT MINE

From S end of Wilberforce, travel W on Fleming Rd; park at the second intersection on the R; the old mine rd is on the L beside a new house. Follow the old mine rd located behind the garage.

OBTAI~~N~~ PERMISSION at the house to cross their land.

TOOLS

Sledge & mason's hammers, rock chisels.

MINERALS

diopside. MOLYBDENITE.

(56)

WILBERFORCE PROSPECT

From Wilberforce travel N on Fleming Rd for 3.0m; turn R & drive 0.5m (mailbox on L, lookouts on R on crest of hill). Pits are on the L, and also up the hill on the R.

Various minerals may be found.

(57)

BALL MINE

From Wilberforce travel N on Hwy 648 to the edge of Harcourt; the access rd is to the R just before the first house.

TOOLS

Prospectors pick, garden claw.

MINERALS

apatite. DIOPSIDE. epidote. feldspar. (M) fluorite. GRAPHIC GRANITE. SCAPOLITE. HORNBLENDE.

(58)

FISSION URANIUM MINE

From Wilberforce travel N on Hwy 648 for 2.8m & turn R on the Old Mumford Rd; drive 0.3m & turn R; drive approx 0.5m to the mine dumps to your R; the adit & trenches are to the L.

TOOLS

Shovel, garden claw, prospectors pick, Geiger counter.

MINERALS

APATITE. calcite. Feldspar. hornblende. Illmenite. Melanocerite(RA). Sphene. URANINITE (RA). Uranothorite (RA).

(59)

DWYER FLUORITE MINE

From Wilberforce travel N on Hwy 648 for 2.8m & turn R onto the Old Mumford Rd; drive 0.4m; the adit is 75 yds to your R.

POSTEDTOOLS

Prospectors pick, Geiger counter.

MINERALS

Apatite. (M) fluorite. Hornblende. RA indicated.

(60)

DRURY FARM

From Bancroft travel S on Hwy 28 & turn R on Hwy 121; drive 7.2m & turn R onto Hwy 648; drive approx 4.6m to the Camp Keewaydin rd; turn L & drive 0.8m to the Drury Farm (the first farmhouse on the R verge of the rd).

Hunting fee is \$1.00 per person; group rates can be arranged.

The trail starts from the field to the L of the house just across the fence; walk approx 230 yds to the pits.

TOOLS

Shovel, mason's hammer, rock chisels & points.

MINERALS

Apatite, SPHENE.

(61)

BUCK CREEK OCCURRENCE

From Harcourt travel N on the Elephant Lake Rd for 7.8m; turn L onto the Kingscote Rd; drive 1.1m to an overgrown rd on your L (third curve past the first rd on the L); walk 80 yds down this rd to the creek.

NOTE: If you see a second rd on your L, turn back; the rd to the occurrence, though overgrown, is easier to see from this direction.

TOOLS

Mason's hammer, rock chisel.

MINERALS

Actinolite. hornblende. SPHENE.

(62)

DIAMOND LAKE ROAD CUT

In Highland Grove, opposite the Post Office, turn onto the new Baptiste Lake Rd & drive NE for approx 2.3m to the rd cut overlooking the lake.

TOOLS

Mason's hammer, rock chisel.

MINERALS

FELDSPAR. HORNBLENDE. Mica. SCAPOLITE. Sphene.

## CHAPTER 4

(63)

CANCRINITE HILL

From the Bancroft Hotel travel E on Hwy 500 for 2.3m & turn R; drive 0.35m to an abandoned house.

Walk past a wrecked car & cross the stream, 103 paces to a clearing; bear R through the swamp saplings; there is a well-defined trail; follow it for 700 paces to the outcrop on the R. (Biotite can be found up the hill.)

TOOLS

Mason's hammer, rock chisel.

MINERALS

ALBITE. CANCRINITE. MICROCLINE. Nepheline. Orthoclase. SODALITE.

(64)

DAVIS HILL

From the Bancroft Hotel travel E on Hwy 500 for 2.3m & turn R; drive 0.35m to an abandoned house.

Walk past a wrecked car, cross the stream, & follow the old rd for 50 yds; fork L & continue up the hill. Turn sharp R & continue approx 50 yds past a R curve; you will see the sodalite pit downhill 80 yds to the R.

Continue walking to the end of the rd to the nepheline pit.

TOOLS

Mason's hammer, rock chisel.

MINERALS

apatite. ALBITE. Mica. natrolite. NEPHELINE. SODALITE.

(65)

PRINCESS SODALITE MINE

From the Bancroft Hotel travel E on Hwy 500 for 2.4m & turn L to the mine store.

NEW OWNERSHIP: Paul Rasmussen.

NOTE: A tent & trailer campsite has been added to the property.

MINE MINERALS

biotite. Magnetite. natrolite. NEPHELINE. SODALITE.

COLLECTING ONLY in designated area - fee charged.

Minerals, lapidary equipment & supplies are available at the store.

(66)

HAWKINS FARM PROSPECT

From the Bancroft Hotel travel E on Hwy 500 for 3.8m & turn R on the Bronson Rd; drive 1.05m & turn L on the farm rd; drive 0.6m to the house.

OBTAIIN PERMISSION at the house.

Passing the house, walk up the hill to the old rd; follow the rd to a rock bluff where it swings L; then approx 100 paces later it swings R & starts to climb; near the top of the hill you can see the test hole in the rd.

TOOLS

Mason's hammer, rock chisel, Geiger counter.

MINERALS

biotite. fluorite. Orthoclase. URANINITE (RA).

(67)

TAIT FARM PROSPECT

From the Bancroft Hotel travel E on Hwy 500 for 3.8m & turn R on the Bronson Rd; drive 1.3m & fork L; drive 0.85m & turn L; drive 0.6m & turn R at the Tait farm; fork R & drive 0.15m; the pits are approx 50 yds to the R in a clump of trees.

POSTEDTOOLS

Prospectors pick, garden claw.

MINERALS

Tourmaline.

(68)

HIGHWAY 500 GRAVEL PIT

From the Bancroft Hotel travel E on Hwy 500 for 6.3m to the pit on the L of the old Hwy.

MINERALS

Chert.

(69)

GOULDING KEENE NEPHELINE QUARRY

From the Bancroft Hotel travel E on Hwy 500 for 6.75m; turn L & park just before the river. Walk approx 0.15m to the quarry on the L.

TOOLS

Mason's hammer, rock chisel, fluorescent lamp.

MINERALS

AUTINITE (RA). Hackmanite (FL). Nepheline. Peristerite. sodalite. Zircon.

(70)

EGAN CHUTE (WEST SIDE)

From the Bancroft Hotel travel E on Hwy 500 for 6.75m & park just before the river. Walk downstream along a dirt rd & pass the quarry; a little further on you will see sodalite outcrops on the L; still further on you will see the corundum outcrop on the L & the talus down the bank on the R.

TOOLS

Mason's hammer, rock chisel.

MINERALS

Apatite. Corundum. Sodalite.

(71)

EGAN CHUTE (EAST SIDE)

From the Bancroft Hotel travel E on Hwy 500 for 6.8m & turn L after crossing the river; drive 0.4m & park. Walk half L around the base of the hill to the water's edge.

MINERALS

MAGNETITE.

(72)

YORK RIVER SCARN ZONE

From the Bancroft Hotel travel E on Hwy 500 for 6.8m, crossing the river; turn L & drive 0.2m on the river rd to the talus on the R.

TOOLS

Mason's hammer, rock chisel.

MINERALS

CHONDRODITE (FL). diopside. Garnet. Forsterite. rutile. SPINEL. Vesuvianite. WOLLASTONITE.

(73)

MORRISON MINE

From the Bancroft Hotel travel E on Hwy 500 for 6.8m & turn L after crossing the river (dirt rd); drive 0.8m & turn R; drive 0.7m to the mine on the L.

There are trenches just behind the mine, while the dumps are just past the mine & on the L.

TOOLS

Mason's hammer, rock chisel.

MINERALS

Albite. CANCRINITE. galena. HACKMANITE (FL). Nepheline. mica. peristerite. sodalite. Zircon.

(74)

BESSEMER MINE

Leave Bancroft on Hwy 500; drive to Hermon & turn R; drive 5.0m & turn R on gravel road; drive 1.5m till you come to Little Mullet Lake. The main workings are across the RR tracks at the end of the lake. (E).

TOOLS

Prospectors pick, garden claw.

MINERALS

Epidote. Garnet. magnetite. Pyrite. (M) pyrrhotite.

## CHAPTER 5

(75)

LAKEFIELD RESEARCH OF CANADA LTD.

Entering Lakefield from the S on Hwy 28, keep a sharp lookout for the Plant rd on the R (sign & smoke stack are visible from the Hwy).

PLEASE NOTE: PERMISSION to collect on the dumps has been WITHDRAWN.

(76)

SILVER CRATER MINE

Leave the Bancroft Hotel on Hwy 28S; drive 6.85m & turn R onto a dirt rd; drive 0.15m & turn R; drive 2.1m & turn L; drive 0.85m & turn R onto the farm; continue through three gates - a distance of 0.45m - drive 0.8m, turn, & park at the foot of the hill which is surfaced with sections of saplings.

CAUTION: In wet seasons, park at the farm bldgs.

OBTAIN PERMISSION and pay fee of 50¢ per person at the farm.

TOOLS

Geiger counter, shovel, sifting screen, garden claw, prospectors pick.

MINERALS

Apatite. BETAFLITE (RA). BIOTITE. LEPIDOMELANE. Hornblende. ZIRCON.

(77)

LONDRY LAKE ACTINOLITE OUTCROP

Leave the Bancroft Hotel on Hwy 28 S; drive 5.65m & turn L onto the Lower Faraday Rd (gravel); drive 0.45m & turn L onto farm rd; drive 0.4m & park; in front of you & to the R there is a trail; follow it for 600 paces; turn L on top of the last ridge before the lake & walk approx 100 yds; there are several pits on the hillside.

TOOLS

Garden claw, prospectors pick.

MINERALS

Actinolite.

(78)

LOWER FARADAY ROAD (AREA) OUTCROP

Leave the Bancroft Hotel on Hwy 28 S; drive 5.35m to the rd cut; check the far end on the L side.

TOOLS

Mason's hammer, rock chisel.

MINERALS

Augite. (M) Blue Scapolite (FL).

(79)

FARADAY MINE

From Bancroft travel S on Hwy 28 for 4.5m & turn R onto the mine rd; park just before you reach the bldgs.

OBTAI~~N~~ PERMISSION at the office or from the watchman.

TOOLS

Mason's hammer, rock chisel, garden claw, Geiger counter.

MINERALS

ALLANITE. (M) Anhydrite. apatite. BARITE. Biotite. CALCITE. Celestite. chalcopyrite. DATOLITE. FLUORITE. GMELINITE. GOETHITE. (M) hematite. Hornblende. ILLMENITE. MAGNETITE. Molybdenite. Orthoclase. Phlogopite. Prehnite. Pyrite. Quartz. Selenite. Sphene. Tourmaline. URANOPHANE. Zircon. tremolite.

(80)

GREYHAWK MINE

2.5m SW of Bancroft on Hwy 28.

TOOLS

Garden claw, prospectors pick.

MINERALS

epidote. (M) FLUORESCENTS. Peristerite.

(81)

MONK ROAD SPHENE LOCATION

Leave Bancroft from the intersection of Hwy 62 & Hwy 28; drive S on Hwy 28 for 1.7m & turn R onto Monk Rd (gravel); drive 0.8m & fork L; drive 1.15m & turn R onto a farm rd; drive 0.1m & park by the barn. Behind the barn on the tree-covered slopes are two Apatite pits; on the far side of this ridge is an open field across which you can see a cleft in the rock at the base of a wooded slope (approx) 200 yds' walk.

TOOLS

Sledge hammer, mason's hammer, rock chisel, flashlight.

MINERALS

Apatite. Augite. biotite. calcite. SPHENE. Zircon.

(82)

MONK ROAD OUTCROP

Leave Bancroft from the intersection of Hwy 62 & Hwy 28; drive S on Hwy 28 for 1.7m & turn R onto Monk Rd (gravel); drive 0.8m & fork L; drive 1.3m & turn L onto a dirt rd & park.

Walk across the rd through the trees on your L; you will see a big, bald, reddish rock hummock which has been prospected; look through the talus for specimens.

POSTEDMINERALS

FLOW FOLDING. (M) MYLONITE.

(83)

EAGLES NEST

Leave the Bancroft Hotel on Hwy 62N; drive 1.6m & turn R onto a dirt rd; after 20 yds turn R again; drive 0.05m & park just past the jeep trail leading up the hill on the L.

Walk or drive up the trail 0.2m & park in the L fork of the trail; walk along the L branch, always taking the L hand trail for a distance of 1440 paces to the prospect pits; there are other pits down the hill past the first pit on the R (bear R down the hill).

TOOLS

Mason's hammer, prospectors pick, rock points, garden claw, Geiger counter.

MINERALS

APATITE. Augite. Diopside. Hornblende. Orthoclase. pyrite.  
SCAPOLITE. SPHENE. URANINITE (RA).

(87)

HIGHWAY 506 GOLD MINE

From Kaladar on Hwy 7, travel N on Hwy 41 for approx 11.2m & turn R on Hwy 506; drive 8.2m to the mine bldgs on the L.

TOOLS

Mason's hammer, rock chisel, garden claw.

MINERALS

Arsenopyrite. chalcopyrite. malachite-azurite-stained rock. siderite.

(88)

FERNLEIGH OUTCROP

From Kaladar, travel N on Hwy 41 for approx 11.2m & turn R on Hwy 506; drive 12.2m & turn L on the first Hydro access rd E of Fernleigh; drive 0.2m to the large exposure of schist rock on the L. Check the exposure around the tower; continue on for approx 100 yds & face the bush on the R; walk 45° L for 50 yds into the bush to the main exposure.

TOOLS

Mason's hammer, rock chisel & point.

MINERALS

KYANITE. STAURITE.

## CHAPTER 7

(89)

COLLINS BAY MUNICIPAL SAND & GRAVEL QUARRY

From Collins Bay (on the W side of Kingston), drive E on Hwy 33 for 0.5m to the quarry on your R. This is a black river limestone.

COLLECT ON SUNDAYS

TOOLS

Mason's hammer, rock chisel, gadpry.

MINERALS

CALCITE. CELESTITE. SELENITE. (MICRO)-CALCITE-MARCASITE-PYRITE-PYRRHOTITE-QUARTZ-UNIDENTIFIED (blue).

(90)

MURVALE QUARRY

From the intersection of Hwy 401 drive N on Hwy 38 for approx 7.7m to the quarry on your L.

TOOLS

Prospectors pick.

MINERALS

CALCITE. CELESTITE. PYRITE. SELENITE.

(91)

VERONA ROAD CUT

1.0m S of Verona on the E side of Hwy 38.

TOOLS

Mason's hammer, rock chisel, fluorescent lamp.

MINERALS

Druzy Amethyst. Hematite in Calcite (FL).

(92)

VERONA BUILDING PRODUCTS

From the S limit of Verona on Hwy 38 travel W on the Bell Rock Rd for approx 0.25m to the Airport Farm on your R; turn through the gate on your R just before the barn; drive approx 1.5m to the dump on your R. Vugs are to your L by the swamp.

OBTAI~~N~~ PERMISSION at the farm.

TOOLS

Mason's hammer, rock chisel, pry bar, shovel, garden claw, Geiger counter.

MINERALS

(Queen's Report RA).

DIOPSIDE. Hornblende. pyrite. Scapolite. sphene. tourmaline.

(93)

BURNS FARM # 1

From the S end of Verona on Hwy 38 travel W on the Bellrock Rd for 9.5m & turn R approx 25 ft past the junction with the Yarker Rd; drive 1.45m & turn R; drive 0.3m & turn L; drive 1.4m, passing under a RR bridge, & fork L; drive 2.8m to the Burns farm on the R.

OBTAI~~N~~ PERMISSION at the house.

Drive back 0.3m to the Pyrite Mine on the L.

TOOLS

Shovel.

MINERALS

Diopside. mica. Molybdenite Xls. (M) pyrrhotite. sphalerite. Tourmaline.

(94)

BURNS FARM # 2

OBTAI~~N~~ PERMISSION at the house.

Across the rd from the Pyrite Mine, there is a dump area. Drive through the mine (rough rd) approx .5m; turn L, drive 0.1m & park by the gate. Walk across the swamp (rd fill contains pyrrhotite); on the far side the road climbs a bald outcrop, then swings L; walk 600 paces & you will see a square rock marker on an outcrop through the trees on the R; bear L from the marker into the scrub to a small ridge; follow the ridge to the R to the trench (approx 150 yds from the marker).

TOOLS

Shovel

MINERALS

mica. quartz. altered SPHENE. TOURMALINE.

(95)

BURNS FARM # 3

OBTAI~~N~~ PERMISSION at the house.

Drive 0.7m past the Burns farm; watch for an elongated hillock on the R, 75 yds from the rd.

TOOLS

Mason's hammer, rock chisel.

MINERALS

Pyrite. quartz. TOURMALINE.

(96)

CARD QUARRY

From the S end of Verona on Hwy 38 travel W on Sand Rd for 2.15m & swing L onto the mine rd; drive 0.15m to the pits & A-frame on your R.

There is a second quarry 0.15m along the rd.

TOOLS

Sledge & mason's hammers, rock point, garden claw, fluorescent lamp, Geiger counter.

MINERALS

FERGUSONITE (RA). Misc Fluorescents. Plagioclase. mica. quartz. Tourmaline.

(97)

DESERT LAKE ROAD FELDSPAR MINE

From the United Church in Verona travel N on Hwy 38 for 0.9m & turn, R onto Desert Lake Rd; drive 1.3m to the town dump on your L; continue on for 50 yds to the gate on your R; the mine is on the hill.

OBTAI~~N~~ PERMISSION from Nelson Albertson, at the second house on the R past the dump.

TOOLS

Mason's hammer.

MINERALS

diopside. Feldspar. hornblende. magnetite. mica. pyrite. (M) quartz. Sphene. tourmaline.

(98)

FOURTEEN ISLAND LAKE IRON MINE

From the United Church in Verona drive N on Hwy 38 for 0.9m & turn R onto the Desert Lake Rd; drive approx 1.45m & turn R; drive past the barn on your R till you see the mine rd gate on your R (approx 0.2m).

Walk up the mine rd to the pits on your L.

TOOLS

Prospectors pick, magnet.

MINERALS

Magnetite. pyrite.

(99)

RICHARDSON FELDSPAR QUARRY

From the United Church in Verona travel N on Hwy 38 for 0.9m & turn R on the Desert Lake Rd; drive 4.7m & turn L (at white church); drive 0.5m to the mine on the R.

TOOLS

Mason's hammer, rock chisel, safety glasses, garden claw.

MINERALS

GRAPHIC GRANITE. hornblende. marcasite. pyrite. PERISTERITE. sphene. CALCITE & HEMATITE PSEUDOMORPH (after scapolite). Quartz. Tourmaline.

(100)

HOLJEFORD OUTCROP

From the United Church in Verona travel N on Hwy 38 for 0.9m & turn R on the Desert Lake Rd; drive 4.7m & turn L (at white church); drive 0.7m to the outcrop in the field on the L.

TOOLS

Prospectors pick, rock chisel, garden claw.

MINERALS

Apatite. calcite. Graphite. MICROCLINE. BROWN TREMOLITE.

(101)

PAIGE FARM PROSPECT

From the United Church in Verona travel N on Hwy 38 for 0.9m & turn R on Desert Lake Rd; drive 4.7m & turn R (at white church); drive 0.9m to the Henry Paige farm on the R.

OBTAIIN PERMISSION at the house.

Drive approx 0.35m to the crest of a hill; climb the fence on the R & walk straight in from the rd; as you walk down a small hill, bear R through a narrow gap in the saplings; now cast about for blaze marks that lead to the pits, over the ridge.

TOOLS

Mason's hammer.

MINERALS

WHITE PERISTERITE.

(102)

MINK LAKE MINE

You will see the sign for this property on the R soon after leaving the Paige farm.

TOOLS

Mason's hammer.

MINERALS

WHITE PERISTERITE.

(103)

ABRAMS FARM

From the United Church in Verona travel N on Hwy 38 for 0.9m & turn R on the Desert Lake Rd; drive 4.7m & turn R (at white church); drive 1.4m & turn R; drive 2.5m & park opposite the house on the R; cross the fence on the L & walk 50 yds to the pit.

TOOLS

Mason's hammer, rock chisel.

MINERALS

RED PERISTERITE.

(104)

HILL (ALBERTSON) FARM

From Godfrey on Hwy 38 drive E (Westport Rd) for 1.1m & turn L; drive 0.3m & turn L into an open field; drive across the field keeping to the L of the Hydro Towers; bear R & park approx 50 yds along the line of trees on the R. There you will find the cave.

OBTAIN PERMISSION at the farmhouse further up the rd.

TOOLS

Prospectors pick, garden claw, flashlight, rope.

MINERALS

CALCITE. Cave Travertine.

(105)

GODFREY OUTCROP

From Godfrey on Hwy 38 travel E on the Westport Rd for 1.1m; turn R & drive 0.2m to the outcrop on the L.

TOOLS

Prospectors pick, rock chisel, gadpry.

MINERALS

CALCITE. SMOKY QUARTZ.

(106)

BLAKELY PROPERTY # 1  
(CALCITE MINE)

From Godfrey on Hwy 38 drive E on the Westport Rd for 1.9m turn R & drive 0.1m; turn R & drive 0.9m; turn R & drive approx 100 yds & park at the dump.

POSTEDMINERALS

BARITE. CALCITE.

(107)

BLAKELY PROPERTY # 2  
(CALCITE GEODES)

From the mine drive back 100 yds to the rd & continue on for 0.35m; turn R & drive till you see a small sand pit on your L & park.

POSTED

TOOLS

Hammer, rock chisel.

MINERALS

CALCITE GEODES.

(108)

GLENDOWER IRON MINE

At Godfrey on Hwy 38, turn E on the Westport Rd & drive 3.3m; turn R onto the Glendower Rd & drive 0.2m; turn L & drive to the first house on the R; turn R onto the access rd in front of the house & drive approx 0.1m to the dumps.

DRIVE SLOWLY over the cattle guard bridges.

Dumps are on the L; adit is on the R of the road.

TOOLS

Mason's hammer, rock chisel, knife.

MINERALS

amphibole. Apatite. Diopside. Garnet. graphite. Magnetite. Phlogopite. MICRO SELENITE (in the cave at the adit). Scapolite.

(109)

BEDFORD MICA MINE

Drive N on Hwy 38 to Godfrey; turn R & drive 3.3m; turn R & drive 0.2m; turn R & drive to the first farm house on the L. The mine rd. is to the L of the house; drive approx 0.5m to the dumps. (This house has since burned down.)

TOOLS

Garden claw, prospectors pick.

MINERALS

Diopside. MICA., pyrite. Quartz. Dravite. Tourmaline. tremolite. Vesuvianite.

(110)

WESTPORT ROAD ROADCUT

From Hwy 38 drive E on the Westport Rd for 7.0m to rd cut on L.

MINERALS

apatite. diopside. Calcite. Orthoclase.

Continue for 0.5m to a rd cut just past Stirling Farm mail box.

MINERALS

Dravite.

(111)

CRAIG ROAD PROSPECT

From the United Church in Verona travel N on Hwy 38 for approx 1.1m & turn R (just after the RR crossing) onto Craig Rd; drive approx 0.5m keeping L to the blast area on the R.

TOOLS

Prospectors pick, rock chisel.

MINERALS

Diopside. hornblende. mica. Orthoclase. pyrite. scapolite. sphene. tourmaline. quartz.

(112)

LONG LAKE OUTCROP

From Parham General Store on Hwy 38 turn W & drive 0.25m & turn R; drive 0.35 m & turn L; drive 2.45m to the roadcut on the R; also check the fill on the L.

TOOLS

Mason's hammer.

MINERALS

blue (cleavage) calcite.

(113)

RICHARDSON ZINC MINE

From the general store on Hwy 38 in Parham, turn W & drive 0.25m & turn R; drive 0.35m & turn L; drive 3.0m & turn L; drive 1.3m & turn L; drive 0.4m to the mine rd gate on the R. Walk 200 yds to the dumps.

TOOLS

Prospectors pick, garden claw.

MINERALS

Galena. pyrite. pyrrhotite. Sphalerite.

DANGER

The wooden covers over the mine shafts are rotted.

(114)

PARHAM MOLYBDENITE PIT

From Parham general store on Hwy 38 turn W & drive 0.25m, & turn R; drive 0.35m & turn L; drive 3.0m & keep R; drive 0.1m & keep R; drive 0.2m & park at a jeep rd on the R.

Walk 125 yds from the rd to the L of the jeep rd, to the pits at the base of a small hill.

TOOLS

Mason's hammer, rock chisel.

MINERALS

molybdenite. Red Ochre. POWELLITE (FL). serpentine.

(115)

PARHAM PROSPECT

From the general store on Hwy 38 in Parham, travel W for 0.25m & turn R; drive 0.35m & turn L; drive 3.0m & keep R; drive 0.1m & keep R; drive 0.3m to the pit on the L (at the tail end of an S curve).

TOOLS

Mason's hammer, rock chisel, shovel, Geiger counter.

MINERALS

ALLANITE (RA).

(116)

MOUNTAIN GROVE ROAD CUT

From Parham on Hwy 38, turn L onto the Mountain Grove Rd; drive approx 9.1m to a high road cut; check the E side of the cut & the deep fill to the S of the cut. (approx 2.2m S of Mountain Grove).

TOOLS

Prospectors pick, gadpry.

MINERALS

GREEN JASPER (small pieces). pyrite.

(117)

PARTHAM MINE

From the general store on Hwy 38 in Parham, drive N on Hwy 38 for 3.85m to a farmhouse on the L where you OBTAIN PERMISSION; pass through the gate to the L of the house; the old mine rd is still visible; follow it to the R to the dumps.

Before leaving the property, check the gullies in the field by the house, moving towards the Hwy.

TOOLS

Prospectors pick.

MINERALS

Apatite. SCAPOLITE.

(118)

BERTRIM FARM

From the N limit of Tichborne travel N on Hwy 38 for 0.7m & turn R on the Crow Lake Rd; drive 1.25m & turn L; drive 1.5m & turn R; drive 1.3m & turn R; drive 0.35m to the farmhouse.

OBTAI~~N~~ PERMISSION at the house.

Walk approx 500 yds to the R of the house & parallel to the lake to the outcrop on the hill.

TOOLS

Mason's hammer, rock chisel, shovel, garden claw, sifting screen.

MINERALS

biotite. Orthoclase. quartz. Tourmaline.

(119)

ANDERSON FARM

From the N limit of Tichborne, travel N on Hwy 38 for 0.7m & turn R; drive 1.25m & turn L; drive 1.5m & turn R; drive 1.9m to the farm on the R.

OBTAIIN PERMISSION at the farm.

Walk through the farmyard & turn R; follow the farm track to the second field; you will see an overgrown gravel pit in the middle of the field. To the R of the pit you will see a small copse; the prospect is in the lower R portion of the copse.

TOOLS

Folding shovel, garden claw, sifting screen.

MINERALS

Blue clay. QUARTZ (xls appear to be black because of inclusions).

(120)

SHARBOT LAKE ROAD CUT

In Sharbot Lake, the first road cut within the S limit of the town; dig in the W bank.

TOOLS

Shovel, garden claw, sifting screen, fluorescent lamp.

MINERALS

Pyrite. quartz. SCHEELITE (FL). Tourmaline.

## CHAPTER 8

(121)

SMITH LACEY MICA MINE

From Kingston travel N on the Sydenham Rd till it terminates in a T-junction at Sydenham Lake; turn R & drive 2.0m & turn L; drive 2.2m & fork L; drive 1.2m to a gate on your R; pass through the gate & drive along the mine rd (rough) to the mine.

TOOLS

Mason's hammer, rock chisel, shovel, garden claw.

MINERALS

Actinolite. APATITE (blue). ZONED DIOPSIDE. Graphite. (micro) HEMATITE. Hornblende. marcasite. PHLOGOPITE. Quartz. Potsdam Sandstone. scapolite. serpentine. siderite. sphene. chalcopyrite. pyrite. (micro) tourmaline.

(122)

FRONTENAC LEAD ZINC MINE

From Kingston travel N on the Sydenham Rd till it terminates in a T-junction at Sydenham Lake; turn R & drive 3.8m & turn L; drive 2.2m & fork R; drive 1.9m & turn L.

OBTAI~~N~~ PERMISSION at the farm on your R.

Drive up the farm rd on the R & pass through the gate; drive 0.5m keeping R till you reach a second gate; drive across the field to the third gate; drive along the mine rd keeping R till you reach the dump.

TOOLS

Prospectors pick, shovel, sifting screen.

MINERALS

calcite. (micro) CELESTITE. diopside. Galena. graphite. (micro) MARCASITE. molybdenite. (micro) PYRITE. Sphalerite (FL).

(123)

KNOWLTON LAKE MICA MINE

From the flasher light in Sydenham travel W for 1.1m & turn R; drive (crossing RR track) 1.6m & turn R; drive 1.05m & turn L; drive 0.65m & park at the gate on the L (at the foot of a small hill).

Enter the gate & follow the trail that skirts the foot of the hill; once through the trees you will see an old hut in the field; the dumps are to the R of the hut.

#### TOOLS

Light sledge hammer, garden claw.

#### MINERALS

Biotite. Diopside. pyrite. Quartz (amethyst).

(124)

#### GOULD LAKE PHOSPHATE MINE

From the flasher light in Sydenham travel W for 1.1m & turn R; drive 1.6m & turn R; drive 1.05m & turn L; drive approx 1.2m to the end of the rd; drive through the gate for 1.2m & turn L past the house; drive approx 0.2m keeping R; park at the pits on your L.

#### TOOLS

Mason's hammer, garden claw.

#### MINERALS

apatite. mica. pyroxene.

Continue past the pits for 0.05m down the hill & park by the gate. (The area is swampy.) Walk 100 yds past the gate to a number of small pits on a knoll.

COLLECTING as above.

#### CHAPTER 9

(125)

#### GRIFFIN QUARRY

From the intersection of Hwy 401 drive N on Hwy 15 for approx 6.7m (just S of Joyceville). The quarry is off the Hwy on R.

COLLECT ON SUNDAYS.

TOOLS

Mason's hammer, rock chisel, gadpry.

MINERALS

CALCITE. CELESTITE. CHALCOPYRITE. BARITE. gypsum. malachite. pyrite. QUARTZ. SELENITE. (1) UNKNOWN.

NOTE: While all the above occur in micro, only a few are found as hand specimens.

(126)

BURNT HILLS HEMATITE MINE

From Kingston travel N on Hwy 15 & turn L (just before Seeleys Bay) onto the Burnt Hills Rd; drive 1.6m & turn R; drive 3.4m to the mine on your L (on the hill).

TOOLS

Prospectors pick, rock chisel.

MINERALS

(micro) HEMATITE.

(127)

STRAW HILL QUARRY

Drive 3.0m N of Seeleys Bay on Hwy 15 & turn L onto the Straw Hill Rd (gravel); drive to a farmhouse on the L; turn L & drive 0.1m to a gate & park.

MINERALS

(fine) RED GRANITE.

(128)

MORTON ROAD CUT

Pass through Morton on Hwy 15 travelling N; drive to the top of the hill & park at the last rd cut on the R. Rock deterioration & stains indicate the collecting area.

A second occurrence is located on the old rd parallel to, & to the W of, the Hwy.

TOOLS

Mason's hammer, prospectors pick, rock chisel, gadpry.

MINERALS

Apatite. BARITE. Calcite. cordierite. diopside. PYRITE. QUARTZ. Sphene. Tourmaline.

NOTE: All minerals are micro except Apatite & Sphene.

GEOLOGICAL STOP OF INTEREST. Cylindrical Sandstone Concretions may be viewed on top of the rd cut. These were formed by the action of ground water.

(129)

PORTLAND GRAPHITE MINE

Drive 3.4m N of Portland on Hwy 15 & turn L onto the Portland Graphite Rd (gravel); drive approx 0.2m & bear R onto the mine rd which passes behind the large brick house; drive 0.2m to the dumps.

OBTAI~~N~~ PERMISSION at the house.

MINERALS

(M) GRAPHITE. (weathered) Limonite Nodules.

(130)

CHAFFEYS LOCK MICA

{outskirts}

From Elgin (on Hwy 15) drive SW for 2.8m; keep straight & drive 1.0m; park at the old school on the R.

Between the house & school cross the rd & follow the mine rd (obscure) for 300 yds to the mine (SE).

TOOLS

Shovel, garden claw.

MINERALS

(M) apatite. diopside. hematite. Mica. Pyrite.

(131)

OLYMPUS MICA MINE

From Stanleyville drive S for approx 0.4m to the mine co. sign on your R.

POSTED

PERMISSION can sometimes be obtained at the farmhouse.

TOOLS

Garden claw.

MINERALS

Serpentine, vermicularite.

(132)

ROCK LAKE MICA

From Stanleyville drive NE for 0.8m & turn R; drive 1.0m & turn L; drive approx 0.5m & park at the mine entrance (also farm entrance).

EITHER: From the farmhouse walk 150 yds at  $125^\circ$  to the pits on the hill. Continue from the pit bldg for 500 yds at  $35^\circ$  along old mine rd & turn L; walk 75 yds at  $300^\circ$  & turn R; walk 75 yds at  $40^\circ$  to an old car; continue 400 yds at  $25^\circ$  to the pits.\*

OR: Walk along mine rd for approx 0.6m to the pits.\*

\* From this point you can find more than 50 pits, 3 of which are deep & dangerous.

TOOLS

Mason's hammer, rock chisel, shovel, garden claw.

MINERALS

(M) Apatite. Diopside. Mica. hematite. pyrite. serpentine.

(133)

LONG LAKE MICA

From Stanleyville travel NE for 0.8m & turn R; drive 2.0m & turn L; drive approx 0.2m to the prospect pits on the L.

TOOLS

Garden claw.

MINERALS

apatite. mica. pyrite.

From the pits walk 400 yds due N to the dumps.

MINERALS

apatite. diopside. hornblende. mica.

(134)

HANLON MICA MINE

From the junction of the Perth Westport Rd & the Stanleyville Rd, drive N on the P/W Rd for 0.8m & turn R; drive 3.1m & turn L; drive approx 0.75m to an abandoned farm on your R; passing between the house & garage, drive 0.2m to where you can see the dumps across the field to your L.

TOOLS

Prospectors pick.

MINERALS

(M) apatite. mica.

(135)

TIMMINS GRAPHITE MINE

From the junction of the Perth Westport Rd & the Stanleyville Rd, drive N on the P/W Rd for 0.8m & turn R; drive 3.1m & turn R; drive 3.4m & turn R; drive 1.8m & park at the house foundation on your L. Walk past the log stable, bear L, & you will find faint traces of the old rd which will lead you to the mine.

TOOLS

Prospectors pick.

MINERALS

graphite. (micro) Selenite (in the cut below the dump).

(136)

ANDREW LAKE MINE

Travel S on the Perth/Westport Rd for 1.4m & turn E towards Otty Lake; drive 2.0m & turn SW onto a farm rd; drive 0.5m to where the rd swings W & park; walk SW for 0.25m to the pits.

TOOLS

Prospectors pick, shovel.

MINERALS

apatite. calcite. mica. Scapolite. WILSONITE.

(137)

McLAREN MINE

From Perth travel S on the Perth/Westport Rd for 1.4m & turn L on the Otty Lake Rd; drive to the pits at the end of the rd (W side).

TOOLS

Mason's hammer, shovel, garden claw.

MINERALS

(M) Anhydrite. APATITE. gypsum. Mica. ASTERATED PHLOGOPITE. PYRITE. ZIRCON.

(138)

PIKE LAKE MICA MINE

From Perth travel S on the Westport Rd for approx 7.5m to a point just N of the stream feeding into Pike Lake on the E of the rd.

OBTAI~~N~~ PERMISSION from the McNamee farm opposite the mine property.

TOOLS

Sledge or Mason's hammer, rock chisel.

MINERALS

DIOPSIDE. hematite. Jasper. MICA. serpentine. brown tourmaline. zircon.

(139)

SILVER QUEEN MICA MINE

From Perth travel S on the Crosby Rd for 11.5m to a school house on the R; turn L & drive 2.5m to a farm lane on your L; drive past the house to the mine.

OBTAI~~N~~ PERMISSION at the house.

TOOLS

Prospectors pick, shovel, garden claw.

MINERALS

Actinolite. apatite. asbestos. Calcite. hornblende. MOUNTAIN LEATHER. ASTERATED MICA. Scapolite.

SECOND OCCURENCE 250 yds further on.

MINERALS

Diopside. garnet. graphite. (micro) marcasite. ASTERATED PHLOGOPITE. pyrite. Pyrrhotite. tremolite. Wollastonite.

(140)

BABY MINE

440 yds W of the SILVER QUEEN MINE.

TOOLS

Mason's hammer, rock chisel, garden claw.

MINERALS

APATITE. calcite. ASTERATED PHLOGOPITE. Scapolite.

(141)

PERTH PERISTERITE # 1

From Perth travel W on Hwy 7 for 0.5m & turn R onto the Lanark (Kalabogie) Rd; drive to Balderson & turn L at the main crossroad; drive 1.6m to Bell Corners & turn R; drive 1.0m & turn L; drive 0.7m to the school on your R; turn R & drive 0.25m to the mine on your R.

TOOLS

Mason's hammer, rock chisel.

MINERALS

diopside. Graphic Granite. hornblende. magnetite. mica. Bronze Peristerite. pyrite. quartz. Tourmaline.

OTHER PITS (1) 200 yds NE from mine.

(2) 150 yds up rd on R.

(3) 25 yds further up rd on L.

(142)

PERTH FELDSPAR & MINING CO # 1

From Perth travel W on Hwy 7 for 0.5m & turn R onto the Lanark (Kalabogie) Rd; drive to Balderson & turn L at the main crossroad; drive 1.6m to Bell Corners & turn R; drive 1.0m & turn L; drive 0.7m to the school on your R; turn R & drive 1.0m to the mine on the hill on your L.

TOOLS

Mason's hammer, rock chisel.

MINERALS

diopside. garnet. mica. White PERISTERITE. quartz. Radiating Tourmaline.

(143)

PERTH PERISTERITE # 2

From Perth travel W on Hwy 7 for 0.5m & turn R onto the Lanark (Kalabogie) Rd; drive to Balderson & turn L at the main crossroad; drive 1.6m to Bell Corners & turn R; drive 1.0m & turn L; drive 3.5m & turn L & drive into the mine.

TOOLS

Mason's hammer, rock chisel.

MINERALS

hornblende. White PERISTERITE. pyrite. quartz. (micro) SELENITE. tourmaline.

(144)

FALLBROOK MINE

From Fallbrook (W of Balderson) travel NW for approx 1.0m keeping R & crossing the Mississippi; drive 0.25m & turn L; drive approx 0.15m & fork L; drive approx 1.25m keeping R, to the old mine rd on the R.

MINERALS

(M) hematite.

(145)

PERTH FELDSPAR & MINING CO # 2

From Perth travel W on Hwy 7 for 3.0m & turn R; drive 5.5m (through Harper) & branch L; drive approx 0.25m to the pit.

TOOLS

Prospectors pick.

MINERALS

PERISTERITE.

(146)

PERTH FELDSPAR MINE

From Perth travel W on Hwy 7 for 11.0 m & park; the quarry is 100 yds S of the Hwy.

TOOLS

Mason's hammer, rock chisel.

MINERALS

Feldspar. quartz. TOURMALINE.

## CHAPTER 10

(147)

GANANOQUE ROAD CUT

From Gananoque travelling E on Hwy 2, after crossing Hwy 401, stop at the second rd cut.

TOOLS

Prospectors pick, rock chisel, gadpry.

MINERALS

apatite. BARITE. BORNITE. Calcite. graphite. malachite. Marcasite. molybdenite. Pyrite. Quartz.

NOTE: Many of the above occur as micro.

(148)

### MARBLE ROCK

From the intersection of Hwys 32 & 401 travel N on Hwy 32 for 2.7m & turn R onto Marble Rock Rd; drive 3.7m (crossing a bridge to the mine rd on your L); drive 0.1m & park; cross the fence & walk approx 500 yds to the mine on your L.

### TOOLS

Safety glasses, sledge & mason's hammers, rock chisels, points & wedges, crowbar, flashlight.

### MINERALS

BARITE. QUARTZ.

(149)

### La ROSE FARM PROSPECT

From the junction of Hwys 15 & 32 drive S on Hwy 32 for 0.95m & turn L onto the Black Rapids Rd; drive 2.25m & keep R; drive 2.8m & turn R; drive 3.45m & turn L on a dirt rd (just before a lake); drive 1.7m & park.

On your L is a swamp; keep the swamp on your L till you reach a stream on the far side; follow the stream to the beaver pond; keep the pond on your L till you reach the far end of the field (1500 yds); follow the farm rd through the trees to a second field (400 yds); follow the fence to the L to the pit (200 yds).

### PRIVATE ROAD

### TOOLS

Shovel, garden claw, prospectors pick.

### MINERALS

QUARTZ.

(150)

HIGLEY LAKE

From Kingston travel N on Hwy 15 & turn R on Hwy 32; drive 0.95m & turn L onto the Black Rapids Rd; drive 2.25m & turn L; drive approx 2.0m & turn R; drive 4.6m & park at the entrance of the property. Walk along the jeep trail to the field; cross the field to where the rock bluff & the swamp meet; walk L around the lake on the ridges which are nearest to it; after crossing the second beaver dam, climb the next ridge (the far end is steep); cross a low flat area to the next hill; climb this, keeping on the L slope till you reach the exposure. (approx 1.25m from the rd.)

TOOLS

Mason's hammer, rock chisel, shovel, garden claw, safety glasses.

MINERALS

BARITE. chlorite. GOETHITE. HEMATITE. QUARTZ. UNKNOWN (Fibrous).

NOTE: All the above occur as micros; only QUARTZ occurs in large specimens.

(151)

LYNDHURST QUARTZ MINE

From Kingston travel N on Hwy 15 & turn R onto Hwy 32; drive 0.95m & turn L onto Black Rapids Rd; drive 2.25m & turn L; drive approx 2.0m & turn R; drive 3.0m & turn L; drive approx 0.5m & turn L & park by the house.

POSTED

TOOLS

Prospectors pick, garden claw.

MINERALS

BARITE. CALCITE. chlorite. HEMATITE. Mica. MARCASITE. PYRITE. QUARTZ. SELENITE. 2 UNKNOWN.

NOTE: All the above occur as micros; calcite & quartz also occur as hand sized specimens.

(152)

BLACK RAPIDS ROAD CUT

From Kingston travel N on Hwy 15 & turn R onto Hwy 32; drive 0.95m & turn L onto the Black Rapids Rd; drive 2.25m & go straight; drive to the Hwy. & turn R; drive 2.95m & park on the hill at the rd cut.

TOOLS

Prospectors pick, garden claw.

MINERALS

APATITE. AMETHYST. CALCITE. DIOPSIDE. HEMATITE.

NOTE: All the above occur as micro.

(153)

SLY'S PROSPECT

From Kingston travel N on Hwy 15 & turn R on Hwy 32; drive 0.95m & park by the church; walk approx 250 yds up & along the ridge (E) to the prospect; another pit is down the far side.

TOOLS

Mason's hammer, rock chisel.

MINERALS

Apatite. Carbonate (FL). pyrite. quartz. Sphene.

## CHAPTER 11

(154)

NEW DUBLIN QUARRY # 2

From the intersection of Hwys 401 & 29 at Brockville, drive N on Hwy 29 for 5.4m & turn R onto the New Dublin Rd; drive 1.35m to the quarry on your L.

TOOLS

Mason's hammer, rock chisel, gadpry, garden claw

MINERALS

barite. calcite. pyrite.

ORDOVICIAN FOSSILS

Gastropods. bryozoans.

(155)

NEW DUBLIN QUARRY # 1

From the intersection of Hwys 401 & 29 at Brockville, drive N on Hwy 29 for 5.45m (50 ft past the New Dublin Rd) to the quarry on your R.

TOOLS

Mason's hammer, rock chisel.

MINERALS

Calcite Geodes. Oxidized Pyrite Nodules.

ORDOVICIAN FOSSILS

Gastropods. bryozoans.

(156)

ATHENS QUARRY

From Brockville travel N on Hwy 29; turn L onto Hwy 42 & drive approx 2.0m to the quarry on your R.

TOOLS

Mason's hammer, rock chisel.

MINERALS

Oxidized Pyrite Concretions.

ORDOVICIAN FOSSILS

gastropods. bryozoans.

## CHAPTER 12

EXPLANATION OF "HWY 401 FOSSIL ROUTE"

1. All the fossil locations listed on this route are ORDOVICIAN/ PRECAMBRIAN (invertebrate).
2. For fossil identification see appendix, page 84.
3. Road mileage markers and road cuts are counted from West to East.
4. All main highway intersections and the towns that they service are listed.
5. Abbreviations: N - North side of Hwy.  
M - Median  
S - South side of Hwy.
6. Some of the best specimens obtainable along this route are found weathered out of the top layer.

(157)

WOLFE ISLAND, HIGHWAY # 96

From the intersection of Hwys 95 & 96 travel W on Hwy 96 for 0.9m & turn L onto the quarry rd; drive 0.15m into the quarry & park.

TOOLS

Mason's hammer, rock chisel

ORDOVICIAN FOSSILS

BRACHIOPOD. Bryozoan. Cephalopod. gastropod. TRILOBITE.

(158)

KINGSTON AIRPORT ROAD QUARRY

From the junction of King & Union Sts in Kingston, travel W on the Airport Rd for 4.3m to the quarry on your L.

POSTEDTOOLS

Mason's hammer.

ORDOVICIAN FOSSILS

Brachiopods, bryozoans. Coral. CEPHALOPODS. gastropods. Trilobites.

HIGHWAY 401 FOSSILSMile

321 - Hwy 33 Trenton Rd Cut (N) (159)

BRACHIOPOD. Bryozoan. Cephalopod. echinoderm. Gastropod. Coral. trilobite.

322 - # 1 Rd Cut (N) (160)

BRACHIOPOD. bryozoan. Cephalopod. echinoderm. GASTROPOD. PELECYPOD.

333 - Quarry SW of Hwy 14 (161)

Brachiopod. BRYOZOAN. Coral. Gastropod. Trilobite.

Mile

HIGHWAY 401 (CONT.)

334 - Hwy 37 Belleville

341 - Shannonville Rd

342 - # 1 Rd Cut (NS) &amp; Quarry (S) (162)

brachiopod. BRYOZOAN. cephalopod. Echinoderm. pelecypod.  
trilobite.

344 - # 2 Rd Cut (NS) (163)

STYOLITES, E end of S side.

345 - # 2 Rd Cut (N) (164)

calcite geodes.

347 - Hwy 49 Marysville Rd.

350 - Deseronto Rd

# 1 Rd Cut (M) (165)

Brachiopod. bryozoan. Echinoderm. gastropod. Trilobite.  
(in matrix).

351 - Quarry (N) (166)

BRACHIOPOD. bryozoan. cephalopod. Coral. GASTROPOD. Pelecypod  
Trilobite.

351 - # 1 Rd Cut (N) (167)

BRYOZOAN (east end)

352 - # 1 Rd Cut (S) (168)

Brachiopod. BRYOZOAN.

355 - Hwy 41 Napanee

HIGHWAY 401 (CONT.)

Mile

356 - # 1 Rd Cut (N) (169)

Misc Fossils in matrix (east end).

357 - # 2 Rd Cut (S) (170)

Misc Fossils in matrix

361 - # 5 Rd Cut (MS) (171) QUARRY (N) (172)

BRACHIOPOD. Bryozoan. CEPHALOPOD. GASTROPOD.  
CORAL in the quarry dumps.

362 - # 1 Rd Cut (S) (173)

CEPHALOPOD. CORAL. Pelecypod. Trilobite.

363 - # 1 Rd Cut (NMS) (174)

CEPHALOPOD. CORAL. Pelecypod.

364 - Hwy 133 Camden East Rd

# 1 Rd Cut (NS) (175)

Coral in matrix. Weathered sulphides.

368 - Wilton Rd

# 3 Rd Cut (NS) (176)

Coral. ECHINODERMS.

371 - Quarry (S) (177)

CORAL in place. Misc fossils weathering out.

374 - # 1 Rd Cut (N) (178)

MISC MATRIX FOSSILS. (Micro) CALCITE.

HIGHWAY 401 (CONT.)Mile

375 - # 2 Rd Cut (S) (179)

(Micro) Barite.

Hwy 38 Verona - First Rd Cut S on Hwy 38 (EW) (180)

CORAL

Hwys 401 & 38 (SE) Quarry (181)

BRACHIOPODS. BRYOZOAN. CEPHALOPODS. CORAL. Gastropod. TRILOBITE.

(IN FAVISTELLA) Micro minerals. BARITE. CALCITE. DOLOMITE. FLUORITE. hydrocarbon. limonite. PYRITE. QUARTZ. SELENITE. STRONTIANITE. tremolite. (1) UNKNOWN.

376 - Sydenham Rd (NS) (182)

Bryozoan (N). (Micro) Calcite (S).

From Hwy 401 drive S on the Sydenham Rd for 0.6m; turn L & drive 0.2m; CALCITE GEODES in N wall of the quarry.

377 - # 1 Rd Cut (NS) (183)

CALCITE GEODES.

379 - Division St, Kingston

Field (NE) of Intersection (184)

(Flat) CLAY CONCRETIONS.

# 2 Rd Cut (N) (185)

Brachiopod. Gastropod. W end.

HIGHWAY 401 (CONT.)

## Mile

380 - Montreal St, Kingston. (N access) WITHIN the Loop. (186)

(Thick) CLAY CONCRETIONS

382 - Hwy 15 Kingston, (S access) E of Overpass (187)

WHOLE CALCITE GEODES. (Thick) CLAY CONCRETIONS.

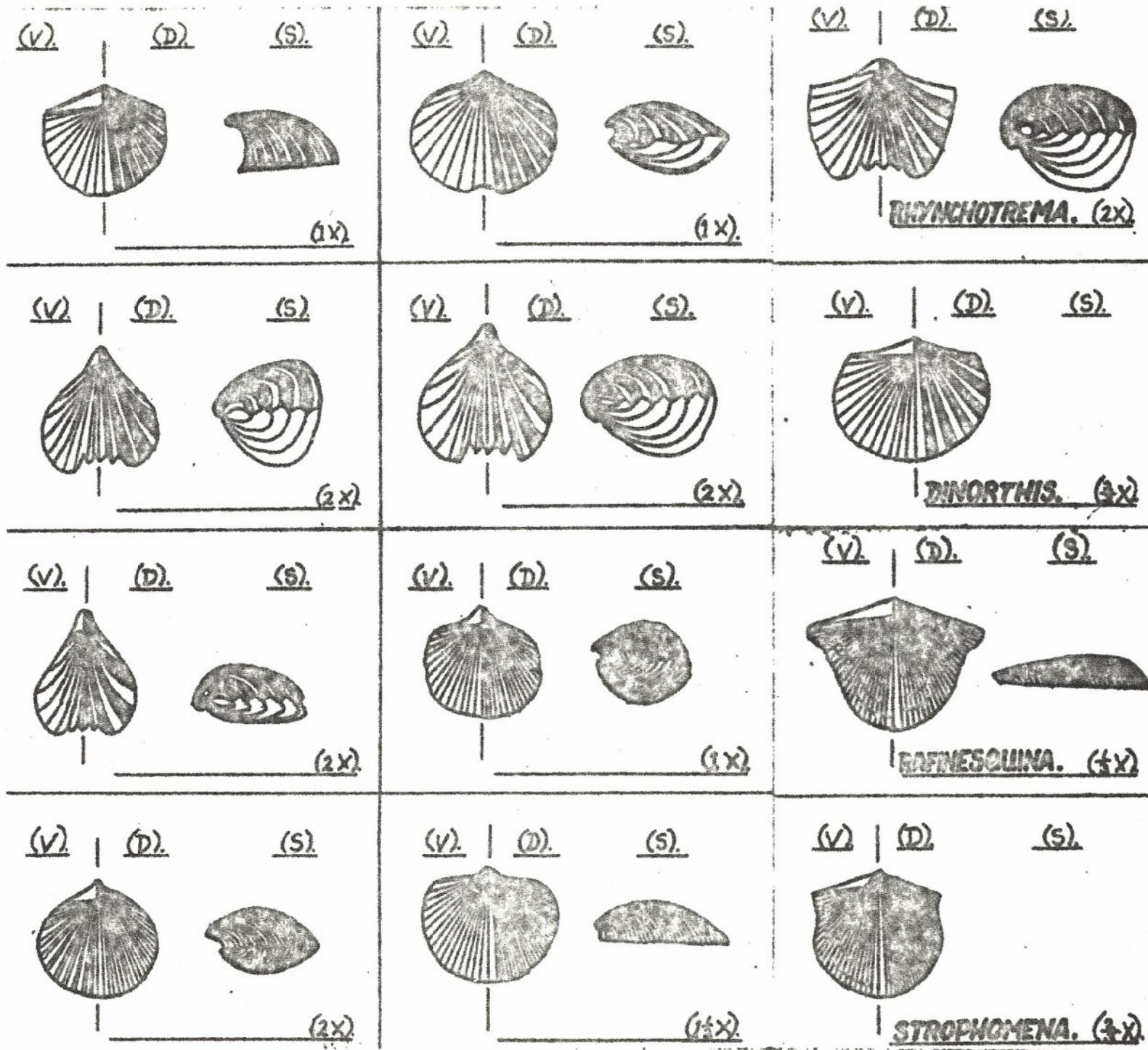
(188)

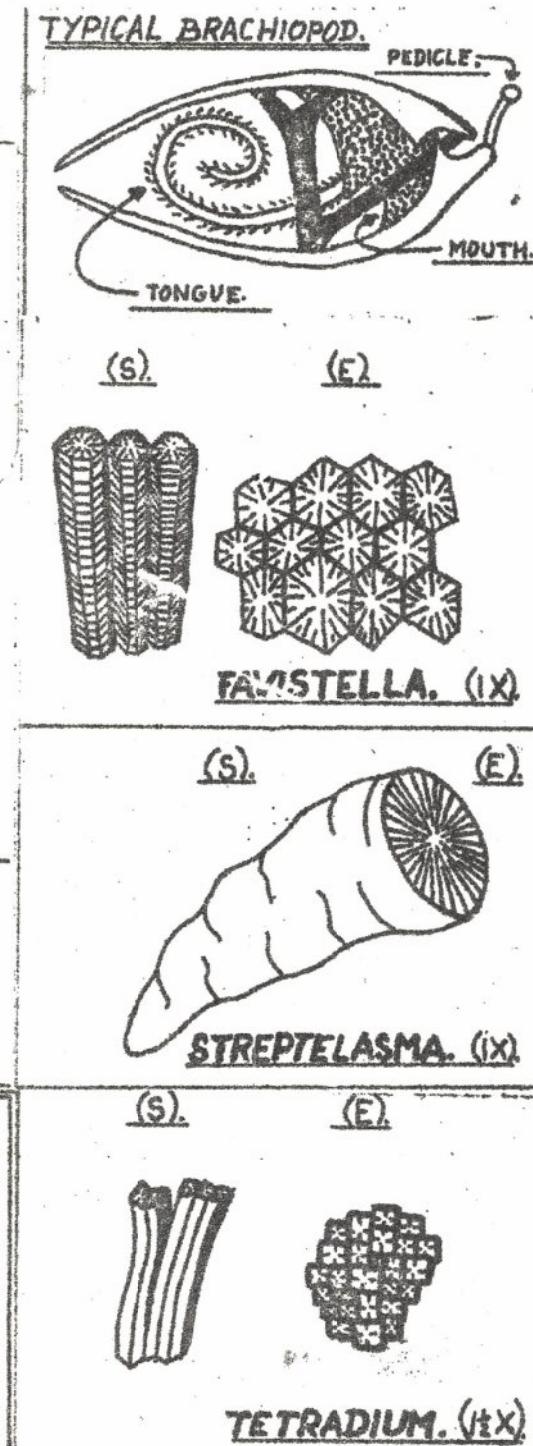
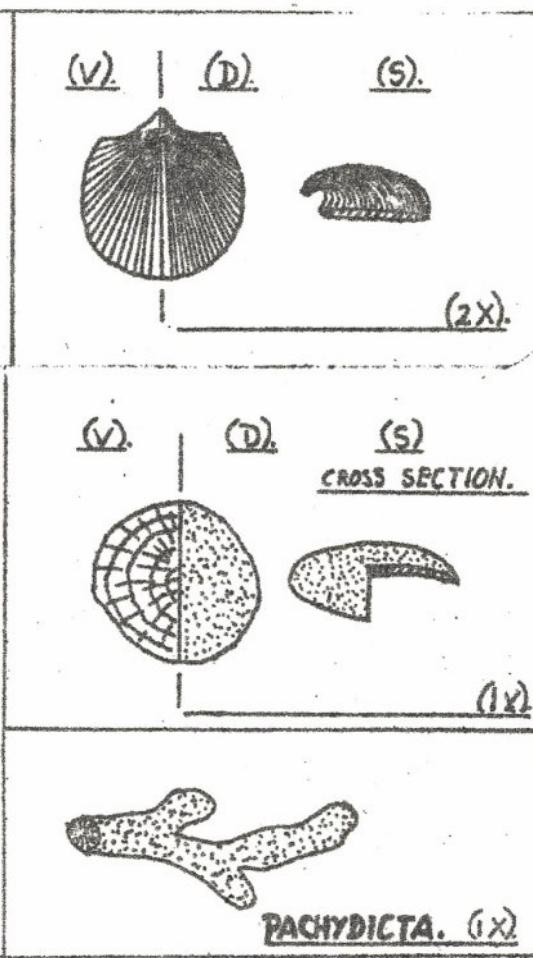
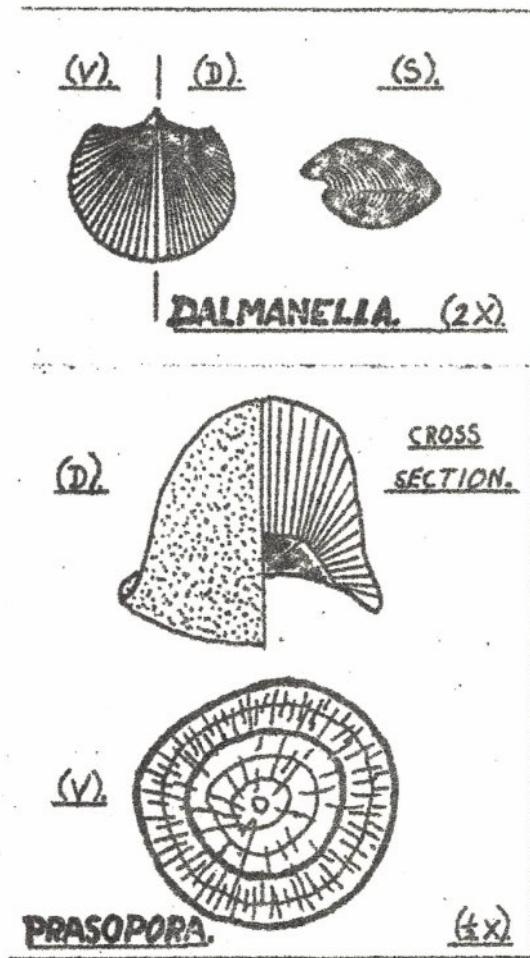
SALMON POINT FOSSILS

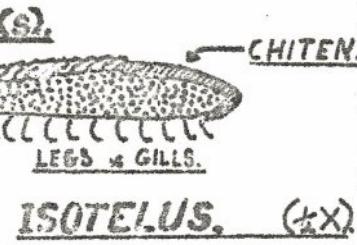
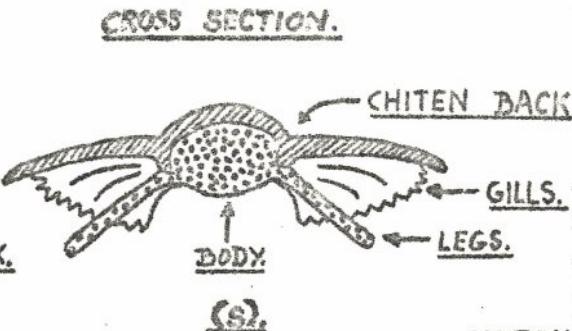
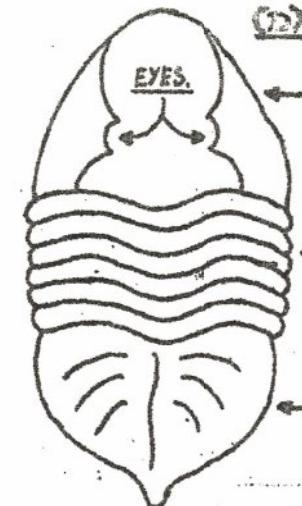
From Picton travel S on Hwy 10 for approx 5.5m; at Cherry Valley travel W on County Rd 18 for approx 5.5m & collect for the next 1.5m.

ORDOVICIAN FOSSILS

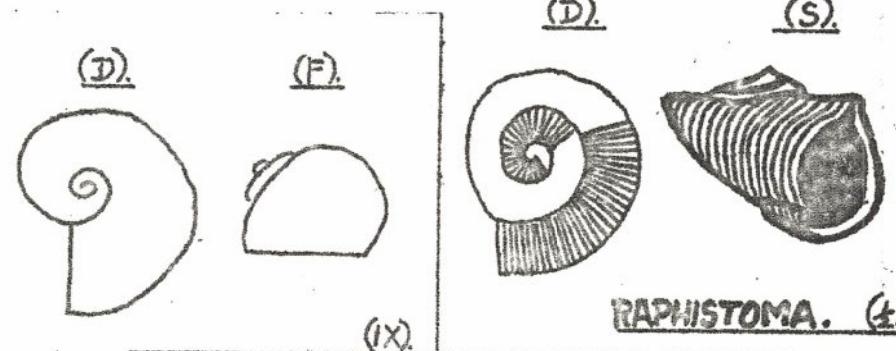
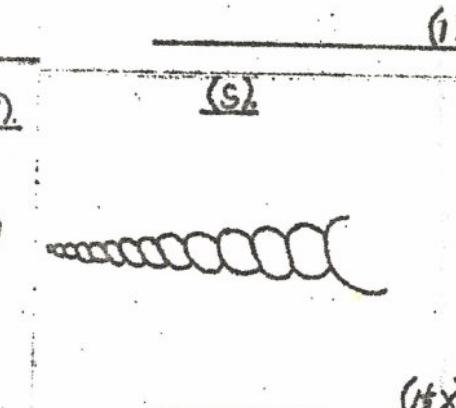
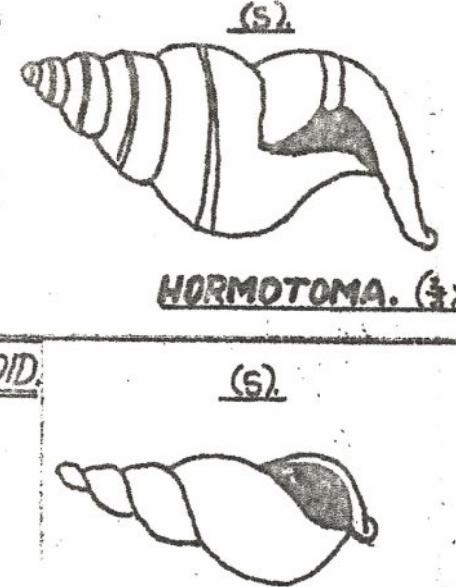
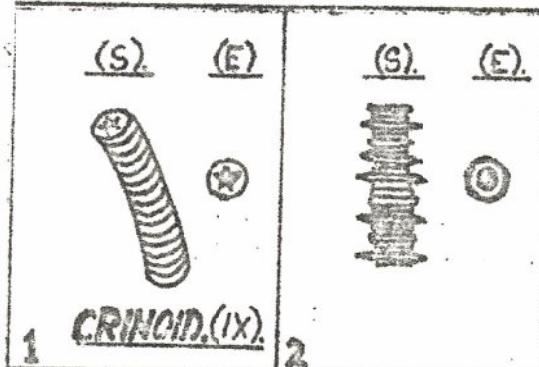
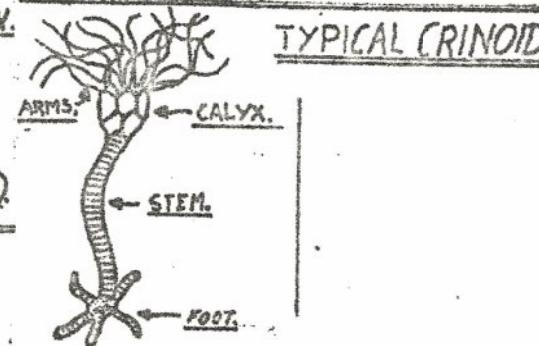
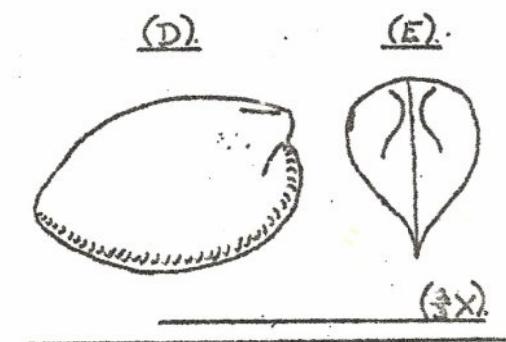
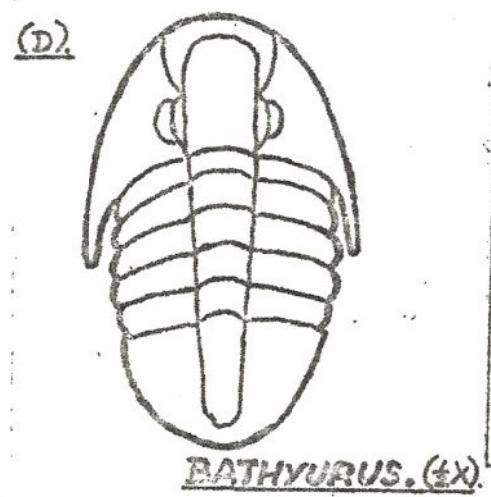
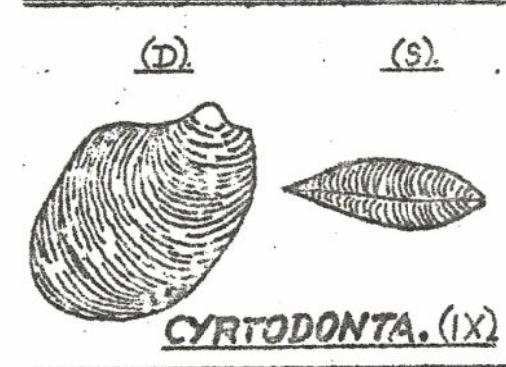
Fossiliferous Limestone.







ISOTELUS. (4X)



NOTES

## CHAPTER 13

(189)

MONTROSE DUMP

From the Q.E.W. traffic circle at Niagara travel S on the Q.E.W. (towards Fort Erie); turn R at the first traffic light (McLeod Rd); the dump is on your R; turn R at the first rd (Kalar); drive approx 150 yds, turn R, & park in the dump area.

TOOLS

Sledge & mason's hammers, rock chisel, safety glasses.

MINERALS

CALCITE. FLUORITE. Gypsum. Selenite. SPHALERITE. STYOLITES.

(190)

DUNDAS QUARRY

From Hamilton travel N on Hwy 6 to Clappisons Corners; turn L onto Hwy 5 & drive till you see the quarry on your L.

Drive into the quarry & obtain permission at the office. Park in the old workings beyond the crusher.

WALK; DO NOT DRIVE through the tunnel.

HARD HATS MUST BE WORNTOOLS

Sledge & mason's hammers, rock chisels, safety glasses.

MINERALS

ANGLESITE. CALCITE. CELESTITE. DOLOMITE. FLUORITE. GALENA. gypsum. hydrocarbon. MARCASITE. PYRITE. PYRRHOTITE. SELENITE. SPHALERITE. STRONTIANITE. STYOLITES. SULPHUR.

NOTE: All the above have been found as micro.

Also (misc) FOSSILS are located here.

(191)

VINELAND QUARRY

From Vineland (approx halfway between St. Catharines & Hamilton on Hwy 8) travel S on regional Hwy 24 for approx 1.0m; the Quarry will be on your R (Mud (Fly) Rd).

OBTAI~~N~~ PERMISSION at the office.

TOOLS

Sledge & mason's hammers, rock chisel, hard hat, safety glasses.

MINERALS

CALCITE. Dolomite. SPHALERITE.

(192)

BEAMSVILLE QUARRY

From Beams~~ville~~ (midway between St. Catharines & Hamilton on Hwy 8) travel S on regional Hwy 18 to the first rd past Mud (Fly) Rd (regional 73). Turn R onto Young St; watch for the Quarry on your L.

OBTAI~~N~~ PERMISSION at the office.

TOOLS

Sledge & mason's hammers, rock chisel, hard hat & safety glasses.

MINERALS

CALCITE. Dolomite. SPHALERITE.

(193)

WALKERS QUARRY

In St. Catharines travel S on Geneva St. which becomes Hwy 406; at the stop light turn L & drive through the Thorold Tunnel; take the second L turn to the quarry.

OBTAI~~N~~ PERMISSION at the office.

TOOLS

Sledge & mason's hammers, rock chisel, hard hat, safety glasses.

MINERALS

CALCITE. DOLOMITE. CELESTITE. Gypsum. GALENA. MARCASITE. SELENITE. SPHALERITE. STYOLITES.

NOTE: Most of the minerals listed occur in both micro & hand sized specimens.

(194)

St. CATHARINES CRUSHED STONE

From St Catharines travel S on Ontario St (through town) till you come to a stop sign; swing R onto Glenridge Ave; drive halfway up the Escarpment & turn L; drive into the quarry.

OBTAI~~N~~ PERMISSION at the office.

TOOLS

Sledge & mason's hammers, rock chisel, hard hat, safety glasses.

MINERALS

misc. (Micro) Minerals. ORDOVICIAN/PRECAMBRIAN FOSSILS.

(195)

DE CEW CHANNEL DUMPS

From St. Catharines travel S on Ontario St (through town) till you come to a stop sign; swing R onto Glenridge Ave; drive to the top of the Escarpment; continue past De Cew campus on your R; turn R on St David's Rd; drive approx 0.4m to a chained off access rd on your L (opposite playing fields).

Walk down the rd for 150 yds to the dumps.

Second Location - Back on the rd continue to the sub-station on your L & park. Walk back 75 yds by the fence to a series of small dumps.

#### TOOLS

Mason's hammer, rock chisel.

#### MINERALS

Calcite. gypsum. SPHALERITE.

#### FOSSILS

Brachiopods. misc weathered fossils.

(196)

#### FRONTIER DOLOMITE QUARRY

From St. Catharines travel E on the Q.E.W. & turn R onto Hwy 405 & cross into the U.S.A. Travel S on Inter-State 190; travel E on U.S. 31 to Lockport. In Lockport turn R on Ohio St & drive till you see the Quarry sign on your R.

OBTAI<sup>N</sup> PERMISSION at the office.

#### TOOLS

Hard hats, safety glasses, sledge & mason's hammers, rock chisel.

#### MINERALS

CALCITE. DOLOMITE. Gypsum. Galena. MARCASITE. SELENITE.  
SPHALERITE. STYOLITES.

## CHAPTER 14

(197)

HUNGRY HOLLOW

Travel E out of Arkona & turn L on the New Bridge Rd; cross the bridge & turn L; drive up the hill to the collecting area. Collect from the top of the hill down to the river bank.

DEVONIAN FOSSILS

Brachiopod - *CALLIPLEURA NOBILIS*.

*MUCROSPIRIFER ARKONENSIS*.

*THEDFORDENSIS*.

Cephalopod - *TORNOCERAS UNIANGULARE*.

Coral - *FAVOSITES PLACENTUS*.

*HELIOPHYLLUM HALLI*.

Echinoderm - *CRINOIDS*.

Gastropod - *PLATYCERES ARKONENSIS*.

Pteropod - *TENTACULITES ATTENUATUS*.

Trilobite - NAME NOT KNOWN at time of printing.

(198)

THEDFORD TILE WORKS

Travel N out of Thedford & turn R at the pumping station; bear R & follow the Tile Works Rd & park in the yard; collect on the hillside.

DEVONIAN FOSSILS

Brachiopod - *MUCROSPIRIFER THEDFORDENSIS*.

Coral - *FAVOSITES PLACENTUS*.

*HELIOPHYLLUM HALLI*.

(199)

ROCK GLEN

Travel N from Arkona on Hwy 7; turn R on Rock Glen Rd. Though this has now become a park, good specimens are still found in quantity early in the season.

DEVONIAN FOSSILS

Brachiopod - *MUCROSPIRIFER ARKONENSIS*  
*THEDFORDENSIS*

Coral - *HELIOPHYLLUM HALLI*

(200)

PAISLEY FARM

From Thedford drive N on Hwy 82 toward Ipperwash Park; fork L on the crest of the ridge overlooking a flat, rich soiled valley; drive to the Paisley house (two storey red brick) and ask permission.

DEVONIAN FOSSILS

(behind the house, to the L & past the barn, around a flooded pit).

Brachiopod - *MUCROSPIRIFER THEDFORDENSIS*

Coral - *HELIOPHYLLUM HALLI*

(south of the house on the barn rd).

Brachiopod - *CALLIPLEURA NOBILIS*  
*MUCROSPIRIFER THEDFORDENSIS*  
*SPINOCYRTIA MOURANTAE*

Pelecypod - *GRAMMYSIOIDEA*

INDEX OF FOSSILS

Ord - Brachiopod - 70,71,72,73

Dev - Brachiopod - 79,80

Ord - Bryozoan - 71,73

Dev - Bryozoan - 70,71,73

Ord - Cephalopod - 70,72,73

Dev - Cephalopod - 79

Ord - Coral - 72,73

Dev - Coral - 79,80

Ord - Echinoderm - 72

Dev - Echinoderm - 79

Ord - Gastropoda - 70,71,72

Dev - Gastropoda - 79

Ord - Pelecypod - 70

Dev - Pelecypod - 80

Dev - Pteropod - 79

Ord - Trilobite - 70,73

Dev - Trilobite - 79

## NORTH AMERICAN GEOLOGICAL TABLE

sequence	system	series	stages	series & stages
Cenozoic	QUATERNARY	PLEISTOCENE	Wisconsin Sangamon Illinoian Yarmouthian Kansan Aftonian Nebraskan	
60 million	TERTIARY	PLIOCENE MIOCENE OLIGOCENE EOCENE PALEOCENE		
Mesozoic	CRETACEOUS	UPPER		Danian Maestrichtian Campanian Santonian Coniacian Turonian Cenomanian
125 million		LOWER		Albian Aptian Barremian Hauterivian Valanginian Berriasian
	JURASSIC	UPPER		Portlandian Kimmeridgian Oxfordian Callovian
		MIDDLE		Bathonian Bajocian
		LOWER		Toarcian Pliensbachian Sinemurian Hettangian
	TRIASSIC	UPPER		Rhaetian Norian Carnian
		MIDDLE		Ladinian Anisian
		LOWER		Scythian
Paleozoic	PERMIAN	OCHOAN		Tartarian
330 million to 425 million		GUADULUPIAN		Kazanian
		LEONARDIAN		Kungurian Artinskian
		WOLOCAMPIAN		Sakmarian
	PENNSYLVANIAN (U. CARB.)	UPPER	Vergilian Missourian	Stephanian
		MIDDLE	Desmoinesian	Westphalian
		LOWER	Atokan Morrowan	Namurian
	MISSISSIPPIAN (L. CARB.)	UPPER	Chesterian	Visean
		MIDDLE	Meramecian	
		LOWER	Osagean	
	DEVONIAN	UPPER	Kinderhookian Conewagoan Cassadagan	Tournaisian Famennian

## GEOLOGICAL TABLE (CONT.)

sequence	system	series	stages	series & stages
Paleozoic (cont.)	DEVONIAN (CONT.)	UPPER (CONT.)	Chemungian Fingerlakian	Frasnian
330 million to 425 million		MIDDLE	Taghanican Tioughniogan Cazenovian	Givetian Eifelian
		LOWER	Onesquethawian Deerparkian Helderbergian	Goblenzian Gedinnian
	SILURIAN	CAYUGAN		Ludlovian
		NIAGARAN		Wenlockian
		MEDINAN		Llandoveryan
	ORDOVICIAN	CINCINNATIAN	Gamachian Richmondian Maysvillian Edenian	Ashgillian Caradocian
		CHAMPLAINIAN-	Trentonian Black Riveran	
		CANADIAN	Chazyan	Llandeillian Llanvirnian Arenigian Tremadocian
	CAMBRIAN	CROIXAN		
		ALBERTAN		
		WAUCOBAN	Trempeleauan Franconian Dresbachian	

MINERAL INDEX

Actinolite - 8,11,36  
 ALBITE - 31  
 ALLANITE - 15,24,37,51  
 AMAZONITE - 19  
 AMETHYST - 55,67  
 amphibolite - 18  
 ANGLESITE - 75  
 Anhydrite - 16,37,61  
 APATITE - 21,24,28,38,54,61,62,67  
 Arsenopyrite - 40  
 asbestos - 61  
 AUGITE - 13  
 AUTINITE - 33  
 azurite - 40  
 BARITE - 6,7,37,48,56,57,64,65,  
     66,67,73  
 BERYL - 19  
 BETAFITE - 36  
 BIOTITE - 36  
 BORNITE - 64  
 CALCITE - 8,37,41,45,47,48,56,67,  
     72,73,75,76,77,78  
 CANCRINITE - 31,34  
 CELESTITE - 41,54,56,75,77  
 CHALCOPYRITE - 7,56  
 Chert - 33  
 chlorite - 67  
 CHONDRODITE - 27,34  
 CLAY - 53  
 CLAY CONCRETIONS - 73,74  
 Cleavelandite - 19  
 Columbite - 19  
 CORUNDUM - 16,17  
 CYRTOLITE - 15  
 DATOLITE - 37  
 DIOPSIDE - 13,28,42,54,61,67  
 DOLOMITE - 26,73,75,77,78  
 Dravite - 8,49  
 ELLSWORTHITE - 15  
 EPIDOTE - 8  
 EUXENITE - 15,19  
 FELDSPAR (misc) - 30  
 FERGUSONITE - 44  
 FLOW FOLDING - 38  
 FLUORESCENT (misc) - 37,67  
 FLUORITE - 7,37,73,75  
 Forstierite - 34  
 GALENA - 75,77  
 GARNET - 8  
 GEODES - 48,73,74  
 GMELINITE - 37  
 GOETHITE - 12,37,66  
 GRANITE - 56  
 GRAPHIC GRANITE - 14,28,45  
 GRAPHITE - 57  
 Gypsum - 56,75,77,78  
 HACKMANITE - 34  
 HEMATITE - 12,54,56,66,67  
 HORNBLENDE - 25,28,30  
 hydrocarbon - 73,75  
 ILLMENITE - 37  
 JASPER - 52  
 KYANITE - 40  
 Labradorite - 22  
 Lavakite - 26  
 LEPIDOMELANE - 36  
 limonite - 57,73  
 MAGNETITE - 34,37  
 malachite - 40  
 MARBLE - 8,9,10,11,12  
 MARCASITE - 41,54,67,75,77,78  
 Melanocerite - 28  
 MICA - 49,61  
 MICROCLINE - 31,45  
 MOLYBDENITE - 18,27  
 MOUNTAIN LEATHER - 61  
 MYLONITE - 38  
 natrolite - 31  
 NEPHELINE - 31  
 Ochre - 51

ORTHOCLASE - 13, 25, 26  
 PERISTERITE - 14, 45, 46, 62, 63, 64  
 PHLOGOPITE - 54, 61, 62  
 Plagioclase - 19, 44  
 Potsdam Sandstone - 54  
 POWELLITE - 51  
 Prehnite - 37  
 PYRITE - 7, 8, 11, 41, 54, 57, 61, 67, 73,  
     75  
 Pyrite Schist - 8  
 PYRRHOTITE - 41, 75  
 QUARTZ - 19, 41, 47, 53, 56, 57, 65, 66,  
     67, 73  
 sandstone - 54  
 SANDSTONE CONCRETIONS - 57  
 SCAPOLITE - 15, 25, 28, 30, 38, 52  
 SCHEELITE - 15, 53  
 SELENITE - 41, 48, 56, 63, 67, 73, 75,  
     77, 78  
 Serpentine - 9  
 serpentine asbestos - 9  
 SIDERITE - 12  
 sillimanite - 18, 20  
 SLATE - 11  
 SODALITE - 31  
 SPHALERITE - 75, 76, 77, 78  
 SPHENE - 21, 24, 27, 29, 30, 38, 43  
 SPINEL - 34  
 STAUROLITE - 40  
 STILPNOMELANE - 12  
 STRONTIANITE - 73, 75  
 STYOLITES - 71, 75, 77, 78  
 SULPHUR - 75  
 SUNSTONE - 13  
 TALC - 8  
 tantalite - 19  
 THORITE - 23  
 TOURMALINE - 43, 64  
     (see dravite)  
 TREMOLITE - 45  
 URANINITE - 27, 28, 32, 38  
 URANOPHANE - 37  
 Uranothorite - 24, 28  
 vermicularite - 58  
 VESUVIANITE - 8  
 WILLIAMSITE - 11  
 WILSONITE - 26, 60  
 WOLLASTONITE - 34  
 ZIRCON - 17, 21, 22, 36, 61

INDEX OF LOCATIONS

46 Abrams F.  
47 Albertson (Hill) F.  
53 Anderson F.  
60 Andrew Lake M.  
68 Athens Q.  
62 Baby M.  
6 Bailey Fluorite M. # 1.  
6 Bailey Fluorite M. # 2.  
28 Ball M.  
12 Bancroft Rd Cut  
76 Beamsville.  
49 Bedford Mica M.  
52 Bertrim F.  
35 Bessemer M.  
22 Bicroft M.  
47 Blakely Property # 1.  
48 Blakely Property # 2.  
67 Black Rapids Rd Cut.  
26 Bob's L. Wilsonite.  
25 Bolender Q.  
29 Buck Creek Occurrence.  
16 Burgess M.  
42 Burns F. # 1.  
42 Burns F. # 2.  
43 Burns F. # 3.  
56 Burnt Hills Hematite M.  
30 Cancrinite Hill.  
43 Card Q.  
27 Cardiff Fluorite M.  
17 Casey Hill Test Pits.  
18 Cdn Beryllium (W).  
19 Cdn Beryllium (E).  
7 Cdn Talc Co. M.  
57 Chaffey's Lock Mica.  
27 Clark (F) M.  
40 Collins Bay Sand/Gravel.  
16 Craigmont M.  
49 Craig Rd Prospect.  
31 Davis Hill  
77 De Cew Channel Dumps.  
44 Desert L. Rd Feldspar M.  
30 Diamond L. Rd Cut  
29 Drury F.  
75 Dundas Q.  
28 Dwyer Fluorite M.  
38 Eagles Nest  
34 Egan Chute (E).  
33 Egan Chute (W).  
63 Fallbrook M.  
37 Faraday M.  
40 Fernleigh Outcrop.  
28 Fission Uranium M.  
44 Fourteen Is. L. Iron M.  
54 Frontenac Lead Zinc M.  
78 Frontier Dolomite Q.  
64 Gananoque Rd Cut.  
48 Glendower Iron M.  
47 Godfrey Outcrop.  
33 Goulding Keene Q.  
55 Griffin Q.  
37 Greyhawk M.  
35 Gould L. Phosphate M.  
59 Hanlon Mica M.  
32 Hawkins F. Prospect.  
7 Herrington Fluorite M.  
66 Higley Lake.  
47 Hill (Albertson) F.  
45 Holleford Outcrop.  
79 Hungry Hollow.  
11 Hwy 62 Slate Q.  
13 Hwy 62 Sunstone Pit.  
70 Hwy 401 Fossil Route.  
33 Hwy 500 Gravel Pit.  
40 Hwy 506 Gold M.  
18 Jamieson Mtn.  
9 Jones Marble Q. 1-6.  
39 Kaladar Marble Q.  
22 Kemp Prospect.  
70 Kingston Airport Rd.  
15 Klondike M.

54 Knowlton L. Mica M.  
 21 Kuehl L. Zircon  
 35 Lakefield Research Ltd.  
 65 La Rose F. Prospect  
 36 Londry L. Actinolite  
 59 Long L. Mica  
 50 Long L. Outcrop  
 25 Lookout Prospect  
 36 Lower Faraday Rd.  
 66 Lyndhurst Quartz M.  
 7 Madoc Fluorite M.  
 65 Marble Rock  
 8 Marmoraton Magnetite M.  
 39 Marshall Calcite Q.  
 14 McCormack Feldspar M.  
 14 McDonald M.  
 13 McFalls L.  
 60 McLaren M.  
 21 Meany M.  
 24 Miller Apatite M.  
 26 Minden  
 46 Mink Lake M.  
 38 Monk Rd. Outcrop  
 37 Monk Rd. Sphene  
 75 Montrose Dump  
 34 Morrison M.  
 57 Morton Rd Cut  
 51 Mountain Grove Rd Cut  
 41 Murvale Q.  
 15 National Graphite M.  
 68 New Dublin Q. # 1  
 68 New Dublin Q. # 2  
 58 Olympus Mica M.  
 45 Paige F. Prospect  
 80 Paisley F.  
 52 Parham M.  
 51 Parham Molybdenite Pit  
 51 Parham Prospect  
 62 Perth Feldspar & M. Co. # 1  
 64 Perth Feldspar & M. Co. # 2  
 64 Perth Feldspar M.  
 62 Perth Peristerite # 1  
 63 Perth Peristerite # 2  
 61 Pike L. Mica M.  
 8 Pinchin Marble Q.  
 14 Plunkett F.  
 57 Portland Graphite M.  
 31 Princess Sodalite M.  
 23 Rare Earth Uranium M.  
 17 Reid L. Corundum  
 12 Reynolds F. Prospect  
 45 Richardson Feldspar Q.  
 50 Richardson Zinc M.  
 39 Robersville Calcite M.  
 79 Rock Glen  
 58 Rock L. Mica  
 19 Ruby M.  
 74 Salmon Point Fossils  
 23 Saranac Zircon  
 53 Sharbot L. Rd. Cut  
 18 Sillimanite-Garnet Outcrop  
 35 Silver Crater M.  
 61 Silver Queen Mica M.  
 67 Sly's Prospect  
 21 Smart M.  
 53 Smith Lacey Mica M.  
 11 Stocklosar Marble Q. # 1  
 11 Stocklosar Marble Q. # 2  
 77 St. Catharines Crushed Stone  
 56 Straw Hill Q.  
 32 Tait F. Prospect  
 79 Thedford Tile Wks.  
 60 Timmins Graphite M.  
 20 Turner's Island  
 41 Verona Bldg. Products  
 41 Verona Rd Cut  
 76 Vineland Q.  
 18 Wal-Gem M. (W)  
 19 Wal-Gem M. (E)  
 76 Walkers Q.  
 12 Wallbridge Iron M.  
 49 Westport Road Rd Cut  
 27 White Elephant M.  
 28 Wilberforce Prospect

69 Wolfe Is., Hwy 96.  
25 Woodcox (Dave) F.

20 Wolfe P.O. Sillimanite.  
34 York R. Scarn Zone.

NOTES

92

NOTES

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